Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 158 No. 19 — 30 Church Street, New York 7, N. Y. — November 6, 1950

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Oil, Paint and Drug Reporter

Volume 158 No. 19 | 30 Church Street, New York 7, N. Y. | November 6, 1950

Fertilizer Prices Seen Averaging Higher in '51

Although prices of fertilizers will average somewhat higher next year than in 1950, the prices received by growers for the farm products they will sell will increase at least as much and provide the farmers with a favorable cost-price ratio that will make it profitable for them "to increase the use of fertilizers at a more rapid rate than they have during the last few years," the Bureau of Agricultural Economics stated November 2 in an "outlook" report on the fertilizer situation.

"Even under less favorable relationships between prices of farm products and fertilizers," the bureau said, "farmers ordinarily have used less fertilizer than would have been most profitable."

Plant Nutrients in Fertilizers

The bureau's report stated:—

"The quantity of plant nutrients in fertilizers available for use by farmers during the 1949-50 crop season was about three times the 1935-39 average. The use of fertilizer has risen steadily since the depression years. No doubt most of the increase in tonnage used is accounted for by use on additional land rather than by increased rates per acre, although the latter has been an important factor. Quantities of nitrogen and phosphoric acid used as fertilizer are now about three times the amounts used in 1935-39. The

—*Continued on page 49*

NPA Broadens Priority Powers of Defense Dept.

Issuance of an amendment to NPA's original delegation of authority to the Department of Defense under the basic priorities system was announced November 2 by the National Production Authority. The amendment is designed to provide a method for meeting requirements of programs intimately connected with national defense, but where procurement is not made directly by the Department of Defense, NPA said.

Under the amendment, the Department of Defense may now assign ratings for authorized programs of such other U. S. Government agencies as NPA may designate by special direction to the Defense Department, or redelegate this authority to assign ratings to such specially designated Government agencies. Formerly, the authority of the Department of Defense to use "DO" ratings was restricted to the procurement and construction programs of that agency or of the mutual defense assistance program.

Insulin Certification Regulations Revised

The Food and Drug Administration announced November 2 a revision of its regulations covering the certification of insulin. The new order is essentially a compilation of existing regulations heretofore promulgated except that standards and tests and methods of assay for globin zinc insulin, which appear in the latest official United States Pharmacopoeia, have therefore been deleted from the regulations as no longer necessary.

The quantity and strength of the sample of a trial dilution of insulin to be submitted by persons requesting certification have been changed to conform to requirements of the biological assay of insulin U.S.P. in the latest USP; the test for isophane ratio has been revised to permit increased precision; the test for biological activity of the supernatant liquid of NPH insulin has been deleted.

Formosa Fertilizer Awards Made by GSA to 2 Firms

Contracts were awarded by the Federal Supply Office of the General Services Administration to H. J. Baker & Bro. and Mathieson Chemical Corporation to supply the 15,000 tons of nitrogenous phosphate fertilizer for shipment to Formosa called for in the bid opening of October 19, it was announced by the agency.

Baker's share of the total was 3,629 metric tons at a price of $76.61 per ton, which included loading and trimming and bags for bagging, and Mathieson was awarded the contract for the remaining 11,371 metric tons at $74.98 per ton, plus the cost of bagging.

Petrolatum Exports Curbed

All grades of petrolatum have been added to the positive list of commodities requiring validated licenses for exportation to all destinations in country groups O and R by the Office of International Trade.

The action was taken effective November 1 and only those shipments which were laden aboard an exporting carrier prior to 10 a.m., November 1, can be exported under the previous general license provisions.

Price Index Continues Rise

Advancing prices were a better than 2-to-1 feature of the markets for chemicals, oils, and drugs last week. They raised the averages of five of the ten major divisions of the markets. Reductions predominated in one—essential oils and related materials. The net result of more than 100 changes was a boost of 0.2 point for the overall index number, which was raised to 12.6 points above the corresponding 1949 mark.

Nonferrous metals were a big contributor to the boosting. Prices were advanced on lead, its oxides and whites, blue lead, and leaded zinc oxide; on tin and its salts; and on antimony oxide. A raise for oxalic acid had not been unexpected. Other heavies on the upside were triple superphosphate and acetylene black. In the coaltar areas, there were advances on tar-acid and shingle-stain oils, benzene hexachloride, and one picolin. Petroleum-derived cresylic acid also was raised, and some producers were higher on several other materials.

Fats and oils went up again, with advances in six nondrying vegetable oils, cod-liver oil, tall oil, and tung oil; linseed oil was cut. Castor beans were raised; copra was lowered; so was coconut-oil fatty acid. Tallow and greases were cut; carnauba wax was advanced.

There were advances in alcohol from sources other than grain. Lauryl chloride was raised. So were chestnut extract, hoof-meal, and process tankage. Two-thirds of the changes in botanical drugs were on the upside. The weight in essential oils was downward, although there were more advances than reductions. Changes in spices were mostly cuts. There were five advances in aromatic principles, including menthol.

Buying interest continues at recent levels. Sellers are doing a bit more allocating in some lines. Short supplies are more a factor than are bigger demands in the affecting of prices. Shortages are coming in new corners all the time, and the big ones that are months old are not getting noticeably easier for the most part. The week's less rosy news from Korea stiffened some price situations. DO requests are getting more disturbing in short-supply lines. Industrial buying is widely expected to manifest some shrinking before long. Some predict a noticeable decline before the end of the year. A larger number stretch their expectations till February. Post-election political programs are expected to have a marked effect in that direction.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Nov. 3, 1950	Oct. 27, 1950	Dec. 30, 1949	Nov. 4, 1949
138.4	138.2	124.8	125.8

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	125.5
August	128.8	128.9	140.4	136.6	128.2
September	135.1	129.1	141.9	137.0	130.4
October	137.8	126.6	146.1	143.1	133.2

Tariff Classification of Products Now Available before Importation

Procedures whereby importers can obtain formal rulings of the tariff classification of merchandise and the rate of duty to be applied in advance of importation of the article into the United States, were announced November 1 by the Treasury Department. The new procedures are available for immediate use. They will operate in this manner:—

Prospective importers or foreign exporters may apply in writing to the Commissioner of Customs for a ruling as to the tariff classification of an article. If they furnish all information necessary to a decision, such as specifications, component materials, chief use, etc., or if the information is otherwise available to customs' authorities, a decision as to the tariff classification of the article will be made in advance of its importation. Where practicable, a representative sample should be submitted with the application.

If the decision appears to be of sufficient importance to the import trade, it will be published in the weekly Treasury Decisions, and will become a "uniform and established practice" not subject to administrative change to a higher rate without formal notice and a thirty-day waiting period. The waiting period for effecting a change will not apply where higher duties come about through changes in law or judicial decisions.

The action is one of the most important steps that have been taken in the program of the Bureau of Customs of improving customs procedures to meet modern trade needs. It is expected to prove especially important in the chemicals and allied industry fields where the principle components of an article determines its proper classification. Advisory opinions have been possible under existing regulations, but they were never binding and were subject to easy change.

Frank Dow, Commissioner of Customs, said that when the new provisions are utilized by the foreign trader, the possibilities of a field officer's determination being overruled by higher customs officials without notice, or of different tariff treatment of the same merchandise at different ports of entry, are eliminated. Foreign trade may thus be stimulated to the extent that the greater certainty in regard to customs charges makes possible free commitments by United States importers.

In the unusual situation in which a further study of legal requirements might indicate a revision involving higher duty on a subsequent shipment, such action will be taken only after notice has been given and representations of interested traders have been considered. Then, any increase found necessary will take effect only after thirty days have elapsed from publication of a formal decision.

The need for greater certainty in the customs classification procedure was one of the points most emphasized in discussions last year between United States officials and trade and customs representatives of a number of foreign countries.

Potash Salt Deliveries In Third Quarter Rise

The five major American potash producers delivered 560,672 tons of potash salts containing an equivalent of 323,265 tons K_2O during the third quarter of 1950, an increase of 12 percent in salts and an increase of 17 percent in K_2O over the same period in 1949, according to the American Potash Institute.

Agricultural deliveries in the United States, Canada, Cuba, Puerto Rico, and Hawaii amounted to 524,154 tons of salts, equivalent to 300,907 tons K_2O, comprised of 461,041 tons of muriate of potash, 3,818 tons of manure salts, and 59,295 tons sulphate of potash and sulphate of potash-magnesia. The chemical industry took 29,458 tons of muriate of potash and sulphate of potash, containing an equivalent of 18,161 tons K_2O. Other exports amounted to 7,060 tons of salts containing 4,197 tons K_2O.

During the first nine months of 1950, total deliveries by United States producers and importers amounted to 1,676,410 tons of potash salts containing 956,521 tons K_2O, an increase of 1 percent in salts and 7 percent in K_2O over the corresponding period in 1949. Potash for agricultural use in the United States, Canada, Cuba, Puerto Rico, and Hawaii amounted to 885,829 tons K_2O contained in 1,561,545 tons of salts of which 1,349,766 tons were muriate of potash, 14,929 tons manure salts, and 196,850 tons sulphate of potash and sulphate of potash-magnesia, representing a decrease of 1 percent in salts and an increase of 6 percent in K_2O.

Deliveries to the chemical industry totaled 92,336 tons of muriate of potash and sulphate of potash, containing an equivalent of 57,195 tons K_2O, an increase of 17 percent in salts and 18 percent in K_2O as compared to 1949. Other exports amounted to 22,529 tons of salts, containing an equivalent of 13,497 tons K_2O, an increase of 60 percent in salts and 58 percent in K_2O over the same period in 1949.

CCC Supports on '50-Crop Grains, Oilseeds Reported

The Department of Agriculture has announced that through September, 1950, farmers had put approximately 127,776,614 bushels of 1950-crop wheat, barley, oats, rye, flaxseed, soybeans, corn, and grain sorghums under Commodity Credit Corporation price support. During the like period last year, the 1949-crop support total for the same grains and oilseeds was 297,948,920 bushels This included 248,648,846 bushels of wheat.

Of the 1950 crops put under price support during July-September, farmed-stored loans accounted for 33,383 bushels of flaxseed and 1,365 bushels of corn. Warehouse-stored loans were as follows:—Flaxseed, 36,196 bushels; soybeans, 539 bushels, and corn, 387 bushels. Purchase agreements accounted for 1,650 bushels of flaxseed, 3,580 bushels of soybeans and 55,350 bushels of corn.

CCC to Support '50-Crop Tung Nuts at 60% Parity

The Department of Agriculture November 1 announced that prices to growers of 1950-crop tung nuts will be supported by the Commodity Credit Corporation at 60 percent of parity as of November 1, 1950. This is the minimum support level permitted under the agricultural act of 1949. The average support price for tung nuts will be $63 per ton, basis 17.5 percent oil content. Grower-owned tung oil will be supported at 25.1 cents per pound. Parity for tung nuts at the beginning of the 1950-51 marketing year, November 1, 1950, was $105 per ton.

Chemicals Use in Food Hearings Start Nov. 28

The Delaney subcommittee of the house, which is investigating the use of chemicals in foods, has tentatively scheduled a resumption of its hearings for November 28 in Washington with representatives of the National Agricultural Chemicals Association as the first witnesses.

There is also the probability that the committee may hold hearings in Chicago November 15, 16 and 17, Vincent A. Kleinfeld, counsel for the committee stated. This depends, however, upon whether congress is called back into session earlier than the November 27 anticipated date. President Truman has indicated he may call the members shortly after the elections tomorrow.

In addition to NAC, other industry associations such as the Manufacturing Chemists Association, and the National Fertilizer Association, as well as representatives of some of the companies themselves, expect to testify at the Washington hearings.

Truman Names 24 Science Foundation Board Members

President Truman appointed twenty-four education, science and business leaders November 2 as the first board of the directors of the new National Science Foundation. Set up by congress earlier this year, the foundation is charged with the promotion of basic research and education in science.

NSRB Speed-Up Amortization Rules for Tax Benefits Outlined

Broad authority to either grant, deny or limit the issuance of a certificate of necessity covering emergency productive facilities that are to receive the benefits of the speed-up amortization provisions of the 1950 revenue act is contained in the regulations issued October 30 by W. Stuart Symington, chairman of the National Security Resources Board.

Mr. Symington was delegated the authority to issue the certificates under a presidential order ten days previously. He also was empowered to draw up the regulations that might serve as his guides in ruling whether a certificate will entitle a particular facility to be amortized for tax purposes in sixty months, instead of the ten to twenty-year period which now applies.

The conditions set out in the regulations for consideration in the issuance of the certificates would appear to allow the chairman to be as strict or as liberal in granting the certificates as he might choose to be. There is no indication at this time whether he will follow a strict or liberal policy. His decision on the issuance of a certificate is final and is not subject to review.

Emergency Facility Defined

The regulation defines an emergency facility to be any facility, land, building, machinery or equipment, or any part thereof, the construction, reconstruction, erection, installation, or acquisition of which was completed after December 31, 1949.

The criteria for determination of necessity and of the portion of the facility attributable to defense purposes is whether the facility is necessary in the interest of national defense either in whole or in part. It may be found to be necessary if it is directly required for the Armed Service or auxiliary personnel, for civil defense, for the Atomic Energy Commission, or for the operations of activities in connection with the mutual defense assistance act.

In reaching this decision, consideration will be given to whether at the time of the construction or installation there is an existing or prospective shortage of facilities for the production of the materials or services which are to be produced by the facility. Consideration also will be given in this connection to an overall shortage, the necessity for and adequacy of facilities or materials or services for a particular region, the necessity for standby capacity, and other factors contributing to or threatening a shortage of facilities.

Usefulness of Facility Considered

In considering the usefulness of the facility and determining the portion attributable to defense purposes, consideration will be given to the probable eco-

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Margarine Sale in Canada Upheld by Privy Council

The Privy Council in London, England, has upheld the margarine decision rendered almost two years ago by the Canadian Supreme Court, according to a report from Francis A. Flood, agricultural attache, American Embassy, Ottawa.

The Canadian court, in December, 1948, had declared that legislation that had banned manufacture and sale of margarine in Canada for many years was beyond the authority of parliament and was, therefore, invalid. The legislation referred to was the dairy industry act of 1927, which forbade the manufacture, importation or sale of margarine "or any other substitute for butter manufactured wholly or in part from any fat other than that of milk or cream."

Canadian dairy interests, aroused by the court's decision, encouraged the Canadian Federation of Agriculture, on behalf of the Dairy Farmers of Canada, to appeal the decision to the Privy Council in London. The appeal pointed out that the court's decision was split 5-2 and that the majority judges did not agree among themselves.

Sale Up to Provinces

The Privy Council found that the margarine ban related to civil rights within each Province and that there was nothing to indicate that the normal distribution of Provincial-Dominion powers should be overridden. This action by the Privy Council now confirms that the responsibility for regulating the sale and manufacture of margarine in Canada rests with the various Provinces themselves, rather than the Dominion government.

Paint Industries Show Exhibitors Announced

The roster of exhibitors who will present displays at the fifteenth Paint Industries Show has been announced by the Federation of Paint and Varnish Production Clubs. The show will be held November 9 to 11 at the Congress hotel, Chicago, in conjunction with the federation's annual meeting.

Following are the exhibitors, their booth numbers and representatives:—

NPVLA scientific section, booth A, Messrs. Shurts, Moore, Scofield, Sward and Westgate; Hercules Powder Company, Wilmington, Del., booths 1 and 2, Messrs. Manning, Pragoff, Schantz, Hogg, Thouron, Oswald, Small, Larson, Graham, Trowell, Autenrieth, Little, Anderson, Osburn, Dougherty, Wiesel, Skelly, Yeager, Rile, Tinsley, Fulenwider, Euremius, Bossert, Schmitt, Pickett, Budd and Marvin; C. M. Ambrose Company, Seattle, Wash., booth 3, Messrs. Ambrose, Lamb, Dunn, York, Zenlea and Kortvelesy; Patterson Foundry & Machine Company, East Liverpool, Ohio, booths 4 and 5, Messrs. Brown, Heddleston, Milburn, Davies and Rullman.

Binney & Smith Company, New York, booth 6, Messrs. Kealy, Kozik, Keating, Reeves, Stiff, Venuto, Smith and Vogel; J. M. Lehmann Company, Lyndhurst, N. J.,

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AluminumPhosphatesOffered By Monsanto in Large Lots

Commercial quantities of aluminum phosphates, bonding agents for refractories, high temperature cements and refractory paints are being offered by Monsanto Chemical Company, St. Louis. The products, ranging in ratio of aluminum to phosphoric acid from 1.0 to 1.67 and in physical form from dry solids to water solutions of high concentrations, are designated by the trade name "Alkophos."

Columbia Starts Partial Perchloroethylene Output

The Columbia Chemical Division of Pittsburgh Plate Glass Company has begun partial production of perchloroethylene at the firm's Barberton, Ohio, plant. A dry cleaning and metal degreasing solvent, the product is being produced in an outdoor facility which has been under construction since February 1.

Dow Chemical Expanding Midland 'Styron' Facilities

Dow Chemical Company has begun construction of a new addition to the plastics building at Midland, Mich., for increased production of "Styron" plastic. The addition, expected to be completed early next Fall, will measure 200 feet long by 100 feet wide and will be three and four stories.

The new production facilities are designed for the manufacture of "Styron 475," used for the molding of refrigerator parts, and "Styron 671," used for housewares and radio cabinets.

SOCMA to Hear Metals Talk by Kinzel Wednesday

The Synthetic Organic Chemical Manufacturers Association, which will hold its regular monthly luncheon November 8 at the Commodore hotel, New York, will hear Dr. August B. Kinzel, president of Union Carbide & Carbon Research Laboratories, Inc., and vice-president of the electro metallurgical division of Union Carbide & Carbon Corporation. Dr. Kinzel will discuss "Metals in the Chemical Industry." Cocktails will be served at 12:15 p.m. and luncheon at 12:45 p.m.

Koppers Vice-Pres. Retiring

J. N. Forker, vice-president and general manager of the tar products division, Koppers Company, Pittsburgh, Pa., has announced his retirement from the concern, effective December 1. He will be succeeded on that date by Fred C. Foy, currently head of the Koppers sales department.

Oil, Paint and Drug Reporter, Vol. 158, No. 19, November 6, 1950. Published every Monday by Schnell Publishing Company, Inc., 30 Church Street, New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1950, by Schnell Publishing Company, Inc.

Hooker Sales Manager

John S. Coey has been appointed eastern sales manager of the Hooker Electrochemical Company, Niagara Falls, N. Y. Mr. Coey has been with the company since 1937, first in charge of the process study group and since 1943 as manager of sales development. In his new post he will be responsible for sales of Hooker chemicals manufactured at Niagara Falls.

Jefferson to Produce Ethanolamines in Texas

Jefferson Chemical Company, New York, has announced that it will begin manufacturing monoethanolamine, diethanolamine and triethanolamine next year in its plant at Port Neches, Tex. A contract has been awarded to C. F. Braun & Co. for erection of a unit for the ethanolamines, and completion is scheduled for the latter half of 1951.

One of the raw materials which Jefferson will employ in manufacturing the ethanolamines is ethylene oxide, which it has been producing at the Port Neches location since 1948.

Gamma Chemical Corp. Purchases N.J. Plant

The Gamma Chemical Corporation has announced the purchase of a new plant at Great Meadows, N. J., which covers eighty acres and has buildings with an aggregate floor space of more than 30,000 square feet.

The new facilities will give the company a greatly enlarged capacity for the production of oxyquinoline compounds and other fine organic chemicals. Executive offices of the corporation will remain at 60 East 42 street, New York, location of the Fisher Chemical Company, Gamma sales agents.

Davison Chemical Elects Butler, Hockley to Board

Davision Chemical Corporation, Baltimore, Md., has elected Thomas B. Butler and R. L. Hockley to the board of directors. In addition, W. N. Watmough, jr., has been elected vice-president in charge of the concern's mixed fertilizer division, succeeding K. D. Morrison who has resigned to take a position with W. R. Grace & Co.

Pfizer Has Terramycin Animal Feed Supplement

Charles Pfizer & Co., Brooklyn, N. Y., has announced development of the first antibiotic animal feed supplement. Called "Bi-Con TM-5," the supplement contains a guaranteed terramycin content, and has been prepared especially for poultry and swine.

Monsanto Elects Winfield

Monsanto Chemical Company, St. Louis, Mo., has elected William H. Winfield assistant treasurer. In addition to assuming his duties, Mr. Winfield will continue to serve as economic adviser to the executive committee and general manager of Monsanto's six operating divisions. Mr. Winfield, who joined the company as manager of its economic research department in 1947, has served as assistant to the president since January of this year.

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Pesticide Prices Seen Higher and Stable in '51

The Bureau of Agricultural Economics of the Department of Agriculture stated November 2 that some increase can be expected in prices of insecticides and fungicides during the 1951 season, reflecting increased cost of labor, transportation, and packaging, and higher costs of raw materials. Prices should be reasonably well stabilized by the beginning of the 1951 season, however, it was added, and probably will change little after that for the remainder of the season.

"The carry-over of insecticides and fungicides on September 30, 1950, was lower than it has been on the same date in the last three years," the report said. "Carry-over was about normal in the northern plains and western corn belt states, but was very low in the southeastern and New England states. Carry-overs of arsenicals and pyrethrins were low in most areas.

"Supplies of raw materials used in making DDT, benzene hexachloride, and certain fumigants are low, and probably will continue to be in short supply throughout the 1951 season. Despite special efforts, the quantity available next season probably will be less than the quantity used during the 1950 season.

Pyrethrin Scarcity Reported

"Supplies of raw materials used in arsenicals and sulphur and copper compounds used in manufacturing fungicides are about normal. Insecticides containing rotenone, Ryania, and nicotine, are expected to be available in adequate quantities. But those insecticides that contain pyrethrins may be scarce. Probably enough fungicides will be available to meet essential needs."

Emery Now in Production On 12-Hydroxystearic Acid

Emery Industries, Inc., Cincinnati, Ohio, has begun commercial production of 12-hydroxystearic acid and hydrogenated castor oil. The acid, an eighteen-carbon saturated fatty acid with a hydroxyl group on the twelfth carbon atom, is used in the manufacture of lithium base lubricating greases, and also in the making of esters, soaps and alkanol amine salts. The castor oil, a hydrogenated triglyceride, is also used in lubricating greases, but is said to show promise in the manufacture of impregnating and insulating agents for electrical products.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Beverage manufacturers—Bermuda.

Feedstuff importers, dealers, manufacturers—Guatemala.

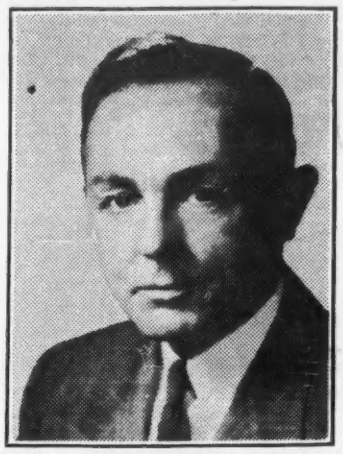
Hospitals—Belgium; Dominican Republic.

Medicinal and toilet preparations, dealers—Cuba, Norway.

Photographic supply dealers, photographers—Ecuador; Honduras; Hong-Kong; Switzerland.

Plastic material manufacturers, molders, laminators, etc.—Venezuela.

Int'l Minerals Dept. Head



James H. Cupps has been appointed head of the newly-created pharmaceutical department of the amino products division of International Minerals & Chemical Corporation, Chicago. In his new post he will direct distribution of bulk quantities of amino acids for medical use. A veteran of twenty-five years of technical sales experience with three leading pharmaceutical companies, Mr. Cupps is a graduate of the University of Pittsburgh College of Pharmacy and Pre-Medical School.

Hooker Increases Caustic, Chlorine Output at Tacoma

Hooker Electrochemical Company, Niagara Falls, N. Y., has announced completion of new facilities for the increased production of caustic soda and chlorine at its Tacoma, Wash., plant. The added capacity was provided largely to meet growing needs of the pulp and other industries in the Pacific Northwest.

The expansion of production facilities consists primarily of the installation of two circuits of the new Type S-3 electrolytic cells which have far greater capacity than the old cells replaced. Extensive additions have also been made for treating and handling brine, for purifying and evaporating caustic soda, and liquefying chlorine.

Triple effect pans have been installed for caustic evaporation and a new boiler supplies the additional steam requirements. Other facilities completed include a new cell construction and renewal building, additional storage tanks, enlarged water supply system, and expanded dock facilities.

National Lead Building 2 Sulphuric Acid Plants

National Lead Company, New York, has contracted for two new sulphuric acid plants. Chemical Construction Corporation, New York, has already broken ground on these projects. One of the plants will be located in St. Louis, Mo., and the other at Sayreville, N. J., and both will have capacities in excess of 300 tons per day. Output of the new plants will be used to expand National Lead's titanium pigment facilities.

Alcohol Requirements for '51 Set at 350,000,000 Gallons

The preliminary estimates of United States requirements for industrial alcohol in 1951 were placed at 50,000,000 gallons at the meeting November 2 of the industrial alcohol industry advisory committee with officials of the National Production Authority. Further conferences will be held, it was stated, to arrive at a firm figure of requirements for the year.

The advisory committee was called into conference to discuss the present mobilization program and to explore methods for increasing production and imports to meet anticipated military and non-military requirements. The 350,000,000 preliminary figure arrived at is understood to include civilian requirements as well as the requirements of the defense program and the synthetic rubber program.

Of the alcohol requirements for the synthetic rubber program, 112,000,000 gallons have been contracted for from France by the Office of Rubber Reserve and deliveries are scheduled to begin around January 1 at the rate of 10,000,000 gallons a month. Government officials told the industry representatives that the alcohol is available in France, and they have every reason to believe that deliveries will be made on schedule.

Synthetic Rubber Program

Meanwhile, the beverage alcohol producers have been called upon to meet the immediate requirements of the synthetic rubber program for alcohol, and in telegrams sent out last week by ORR they were asked to make available upwards of 20 percent of their production in November and 30 percent in December. The program calls for about 10,000,000 gallons from the beverage distillers during the two months. Officials report that the smaller producers are responding to the request very well, some of them offering 50, 75 and even 100 percent of their production.

At the NPA meeting the industrial alcohol producers stated they were faced with a serious shortage of molasses, and most of them indicated they are already curtailing production because of this shortage, according to the official release on the closed meeting.

Cuban Molasses Needed

"They pointed out," the release said, "that a large portion of the total available supply of molasses comes from Cuba, and they do not expect to get sufficient supplies of molasses during 1951 to meet the anticipated demand for industrial alcohol for military and non-military uses.

"The industrial alcohol producers recommended that the government take steps to make available for production of this item sufficient quantities of the total imports of Cuban molasses—which would require 180,000,000 gallons—to provide the industrial alcohol necessary for anticipated 1951 demands.

"Such a program should be undertaken promptly, according to the industry, because the Cuban supplies are sold through one channel in that country, and allotments covering sales and distribution of the entire supply will be arranged in the near future."

Barrett Marks 60th Year As Distributor of Nitrogen

The Barrett Division, Allied Chemical & Dye Corporation, New York, is celebrating its sixtieth anniversary as a producer and distributor of nitrogen products. The division, formerly known as The Barrett Company, first began production of commercial nitrogen in the form of anhydrous ammonia at its plant in Edgewater, N. J., in 1890.

Barrett's line of nitrogen products today includes sulphate of ammonia, anhydrous ammonia, ammonia liquor, standard nitrogen solutions, standard urea nitrogen products, "A-N-L" brand fertilizer compound, and "Arcadian" nitrate of soda.

Barrett started its sale of coke-oven byproducts in 1900, when The National Coal Tar Company and its allied concerns were acquired. Although considered a waste product fifty years ago, byproduct sulphate of ammonia, largely through Barrett's efforts, became a widely-used material, the production of which was greatly increased during World War I.

The first commercial plant to extract

—*Continued on page 53*

Koppers Co. Appoints Keeler Vice-President

John B. Keeler, manager of the traffic and transportation department of Koppers Company, Pittsburgh, Pa., since 1947, has been appointed a vice-president of the concern. Mr. Keeler joined the staff of the Interstate Commerce Commission in 1910, and from 1920 to 1928 was Attorney Examiner and then confidential assistant to the chairman of the commission. In 1928 he joined Koppers as assistant traffic manager.

Dow Plans Methylcellulose Output Increase at Midland

Dow Chemical Company has announced plans to increase production facilities for methylcellulose at its Midland, Mich., plant by one-third. A rise of 150 percent in sales of the chemical from October, 1949, to October, 1950 due primarily to stepped up bulk laxative sales, has necessitated the move.

Heyden Corp. to Expand Garfield, N. J., Facilities

Heyden Chemical Corporation has announced that it will spend approximately $1,175,000 for additions to existing manufacturing facilities at its Garfield, N. J., plant. The principal items in the above total are a new power plant unit and new manufacturing units for the production of pentaerythritol.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with the OPD office:—

Albumen, Stuttgart, Germany (GK-3).

Arsenic, red and white, Stuttgart, Germany (GK-3).

Calcium chloride, Halsingborg, Sweden (GK-2).

Casein, Stuttgart, Germany (GK-3).

Chemicals, agricultural and industrial, Alexandria, Italy (GK-4).

Chlorates, sodium and calcium, Stuttgart, Germany (GK-3).

Cresol, Radevormwald, Germany(GK-6).

Gums, arabic, dammar, shellac, tragacanth, Stuttgart, Germany (GK-3).

Lactic acid, Stuttgart, Germany (GK-3).

Paraffin, Stuttgart, Germany (GK-3).

Pharmaceutical products, Torino, Italy (GK-1, agency)

Phenol, Stuttgart, Germany (GK-3); Radevormwald, Germany (GK-6).

Phosphorus, red and yellow, Stuttgart, Germany (GK-3).

Polishes and waxes, aircraft, Johannesburg, Union of South Africa (GK-7).

Pumice, Stuttgart, Germany (GK-3).

Pyrotechnics, Johannesburg, Union of South Africa (GK-7).

Raw materials for the manufacture of soap and lacquer, Stuttgart, Germany (GK-3).

Resins, various, Stuttgart, Germany (GK-3).

Rosin, Stuttgart, Germany (GK-3).

Streptomycin, Nagoya, Japan (GK-5).

Sulphur, Stuttgart, Germany (GK-3).

Talc, Stuttgart, Germany (GK-3).

Kolker Now Building Houston DDT Plant

Kolker Chemical Works, Inc., Newark, N. J., has announced that construction is now under way on a new DDT producing unit at its Houston, Tex., plant. This new addition will be operated in conjunction with the firm's existing BHC plant.

Kolker's plant will be the first DDT producing unit in the southwest and will greatly increase the company's output of DDT, which is also manufactured at the company's Newark, N. J., plant. Production is expected to be available from the Houston plant early in 1951, according to company officials.

Calco Erecting Added Anthraquinone Facilities

Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J., has begun construction on additional facilities for the production of anthraquinone. According to the company, the added capacity is a reflection of the increased use of vats and other derivatives of anthraquinone, particularly in vat-dyed textiles.

Pennsalt Raises Price Of Hydrofluoric Acid

Pennsylvania Salt Manufacturing Company, Philadelphia, has announced an advance of $1.50 per 100 pounds on the tankcar price of anhydrous hydrofluoric acid. Effective immediately, the price will be $18 per 100 pounds, f.o.b. works, freight equalized. Corresponding increases are being made on aqueous solutions.

Washington Talks It Over

By Ralph L. Cherry

Something new in the way of penalizing sellers for misrepresenting their products is being tried out in Los Angeles by the Federal Food and Drug Administration, and if officials can make it stick, it may become a fixed policy of the agency.

It grows out of the Mytinger & Casselberry case, one phase of which, the right of the government to make multiple seizures of products not dangerous to health, reached the supreme court recently and was won by FDA. The firm distributes a vitamin product called "Nutrilite" which is sold door-to-door for around $200. FDA says that the claims made for the product are a misrepresentation of facts and are unlawful. It feels so strongly about the situation that last week it brought suit in the federal court in Los Angeles to have the company return the money that customers have paid for the product.

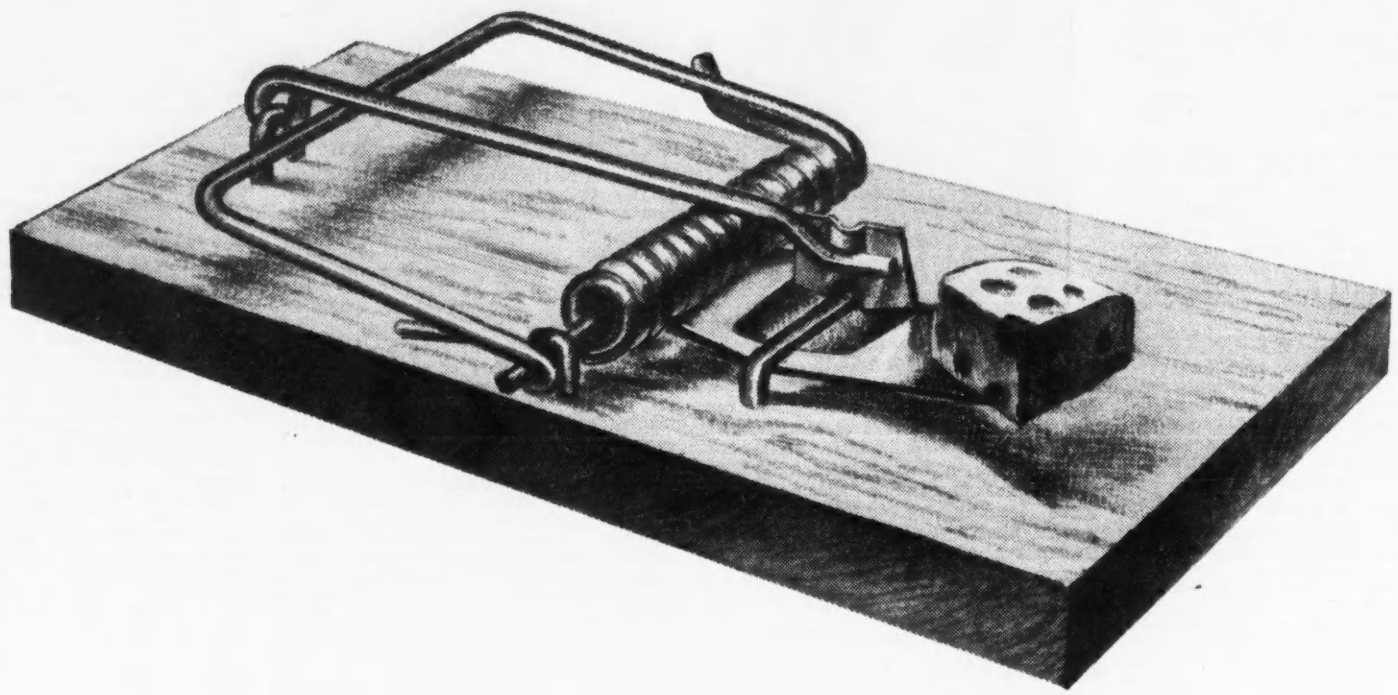
This is the first time that the federal government has ever brought such a suit in the food and drug field, but officials say they are serious about it, and if the suit is won, it will be tried in other instances where the circumstances warrant. They said that while it has not been done before in this field, there are precedents for such suits in other fields. There are limits, of course, on when the agency will be able to bring such suits. They would be feasible only in such cases as this where the value of the article is substantial and there is a record of the purchasers.

NPA Information Facilitated

Businessmen with production problems growing out of the national defense effort may be able to save themselves time and trouble by visiting the field offices of the Department of Commerce instead of making a trip to Washington to confer with NPA officials. The agency has worked out a plan to use the department's field offices for servicing the needs of business.

The plan is in operation now in each of the forty-two field offices of the department. The directors of these offices have just completed a five-day conference with

—*Continued on page 38*



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Association Meetings

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Drug Manufacturers Association, research and development section, Homestead, Hot Springs, Va., November 9-10; Greenbriar, White Sulphur Springs, W. Va., April 30-May 3, 1951; Homestead, Hot Springs, Va., April 28-May 1, 1952.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 27-29; Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Society for Testing Materials, spring meeting and committee week, Cincinnati, Ohio, March 5-9, 1951; annual meeting, Atlantic City, N. J., June 18-22, 1951; spring meeting and committee week, Cleveland, Ohio, March 3-7, 1952; annual meeting, New York, N. Y., June 23-27, 1952.

American Standards Association, national standardization conference, Waldorf-Astoria hotel, New York, November 27-29.

BIMS of New York, annual dinner, New York Athletic Club, New York, January 25, 1951.

Chemical Market Research Association, Biltmore hotel, New York, December 5-6.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11

National Fertilizer Association, Edgewater Gulf hotel, Gulfport, Miss., Nov. 13-15.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Wholesale Druggist's Association, annual meeting, Shamrock hotel, Houston, Tex., October 13 to 18, 1951.

Plant Maintenance Show, Auditorium, Cleveland, Ohio, January 15-18, 1951.

Proprietary Association, annual meeting, Biltmore hotel, New York, May 14 to 16, 1951; annual meeting, Greenbriar hotel, White Sulphur Springs, W. Va., May 22 to 24, 1952.

Public Relations Society of America, Waldorf-Astoria hotel, New York, December 3-6.

Salesmen's Association of the American Chemical Industry, Christmas party, Astor hotel, New York, December 13.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, New York, December 5.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, November 8; annual meeting, Commodore hotel, New York, December 12.

Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 8, annual meeting, Waldorf-Astoria hotel, New York, May 15-17, 1951.

SOCMA Annual Meeting Moved Up to December 12

The Synthetic Organic Chemical Manufacturers Association has moved up the date of its annual meeting, originally scheduled for December 13, to December 12. The meeting, which will be held at the Commodore hotel, will hear a talk on "A New Foreign Policy for Asia" by Gen. Robert L. Eichelberger, wartime commander of the Eighth Army in the Pacific and former head of the occupation forces in Japan. The change of date by SOCMA was taken to avoid a conflict with the annual Christmas party of the Salesmen's Association of the American Chemical Industry, which is to be held on the thirteenth.

NPVLA Lists Bates As Convention Speaker

The National Paint, Varnish and Lacquer Association has announced that Joseph S. Bates, recently-named director of the National Production Authority's chemical division, will be the featured speaker on its national security day program, to be held November 17 as part of the proceedings of its sixty-second annual convention in San Francisco, Calif. Mr. Bates, who is also president of Bates Chemical Company, will talk on "Objectives and Operations of the National Production Authority."

Consulting Chemists Publish Public Relations Proceedings

The Association of Consulting Chemist and Chemical Engineers has published the proceedings of its symposium, "Public Relations and the Consultant," held October 24 in New York. The proceedings are available from the association, 50 East 41st street, New York 17, against remittance of $1 per copy.

TGA Annual Meeting To Be Held May 15-17

The Toilet Goods Association has scheduled its 1951 annual meeting for May 15 to 17 in the Waldorf-Astoria hotel, New York.

Oils, Fats Output, Use: September

Statistics on production and consumption of oils and fats, including raw materials and primary products have been compiled by the Bureau of the Census, Department of Commerce, for the month of September. Tha data are as follows:—

Primary Products

	Pounds		
	Production	Consumption	Stocks Sept. 30
Animal foots from refining, 100% basis	2,490,000	2,361,000	2,373,000
Babassu oil, crude	.....	2,580,000	1,501,000
refined	[2]	[2]	[2]
Castor oil, No. 1	6,687,000	9,490,000	[3]9,709,000
No. 3, crude	1,638,000	2,953,000	[3]6,638,000
Chinawood or tung oil	.....	8,788,000	26,341,000
Coconut oil, crude	53,167,000	52,888,000	[3]44,709,000
refined	30,744,000	27,246,000	6,975,000
Cod and codliver oil	297,000	2,087,000	5,341,000
Corn oil, crude	22,982,000	22,820,000	12,632,000
refined	21,115,000	19,492,000	5,837,000
Cottonseed oil, crude	122,261,000	93,403,000	62,119,000
refined	86,001,000	117,746,000	72,988,000
Fish and marine mammal foots, 100% basis	[5]	[5]	[5] .....
Fish oil, refined	[6]	4,485,000	3,586,000
Fish oil, not specified, except liver oil	2,912,000	896,000	4,751,000
Fishliver oil, not specified	62,000	642,000	793,000
Grease, other than wool	49,121,000	50,402,000	92,198,000
Lard, rendered[4]	152,000,000	[5]	57,594,000
refined[4]	100,000,000	3,575,000	24,546,000
Linseed oil, raw	77,316,000	58,402,000	561,102,000
refined	28,773,000	24,441,000	30,485,000
Marine mammal oil, not specified	.....	2,317,000	667,000
Menhaden oil	13,112,000	4,715,000	20,680,000
Neatsfoot oil	128,000	372,000	1,153,000
Oiticica oil	.....	689,000	6,209,000
Olive oil, edible	.....	208,000	3,790,000
inedible	.....	84,000	242,000
sulphur foots	.....	[2]	2,071,000
Palm oil, crude	.....	3,945,000	[3]20,908,000
refined	[2]	[2]	568,000
Palm kernel oil, crude	.....	3,334,000	6,839,000
refined	[2]	[2]	[2] .....
Peanut oil, crude[1]	5,325,000	8,112,000	1,791,000
refined	7,461,000	7,150,000	5,536,000
Perilla oil	.....	.....	[2] .....
Rapeseed oil, crude	.....	228,000	144,000
refined	.....	318,000	1,319,000
Sardine (pilchard) and herring oil	6,134,000	7,495,000	28,237,000
Sesame oil, crude	[2]	[2]	[2] .....
refined	[2]	[2]	377,000
Soybean oil, crude	137,695,000	153,491,000	53,452,000
refined	145,683,000	149,272,000	60,240,000
Sperm oil	.....	[2]	[3]23,393,000
Tallow, edible	9,055,000	4,642,000	5,239,000
refined	618,000	963,000	611,000
inedible	99,612,000	122,318,000	176,944,000
refined	23,379,000	28,163,000	10,277,000
Vegetable oil, not specified, crude	3,743,000	4,055,000	6,788,000
refined	6,095,000	6,466,600	2,247,000
Vegetable foots, 100% basis	19,614,000	19,537,000	30,990,000
Whale oil	.....	[7]	[2] .....
Wool grease	1,400,000	[8]	[3]2,002,000

Primary Products, Except Oil

		Production	Shipments and transfers	Stocks Sept. 30
Cottonseed cake and meal	tons.	181,784	149,133	153,830
hulls	tons.	93,539	84,278	82,256
linters	bales	[9]132,574	112,565	[10]71,574
hull fiber	lbs.	1,451,000	639,000	959,000
motes and grabbots	lbs.	2,247,000	1,195,000	2,623,000
Soybean cake and meal	tons.	318,339	332,297	35,224
lecithin	lbs	1,094,049	1,222,130	346,767
edible soy flour, full fat	tons.	488	514	117
other	tons.	4,789	4,800	1,165
industrial soy flour	tons.	1,456	[8]	660
Other cake and meal—				
Castor beans	tons.	4,238	4,650	616
Copra	tons.	13,944	8,705	13,568
Corn germ	tons.	15,175	15,335	1,525
Flaxseed	tons.	71,711	61,985	55,816
Olive	tons.	[8]	[8]	[8] .....
Peanuts[1]	tons.	4,282	[5]	2,478
Tung nut	tons.	.....	[11]	[11] .....
Other	tons.	3,434	3,940	4,793

Secondary Products

	Pounds		
	Production	Consumption	Stocks Sept. 30
Animal fat and oil fatty acids	15,472,000	17,079,000	13,906,000
Castor oil, chemically dehydrated	4,101,000	3,461,000	7,117,000
Deodorized oil[12]	24,111,000	8,015,000	6,057,000
Fatty acid stock, including spent and salvaged oils and fats, palm oil, refuse, etc. (100% fatty acid basis)	311,000	1,851,000	2,569,000
Fatty acids from fractioning or pressing—			
Oleic acid	7,999,000	5,523,000	[13]7,729,000
Stearic acid	6,067,000	5,491,000	[13]9,482,000
Other acids	[8]	[8]	[8] .....
Fish and marine mammal fatty acids	[8]	733,000	1,679,000
Glycerin, chemically pure (100% basis)[14]	12,098,000	8,450,000	18,172,000
crude (100% basis)[15]	20,950,000	20,936,000	12,890,000
high gravity and yellow distilled (100% basis)	7,631,000	8,007,000	12,855,000
Grease oil and lard oil	5,336,000	3,147,000	5,609,000
Hydrogenated oil and fats, edible—			
Cottonseed	38,738,000	38,093,000	14,678,000
Soybean	43,903,000	43,389,000	13,442,000
Other	8,577,000	6,025,000	3,204,000
Inedible—			
Animal	3,144,000	2,648,000	2,398,000
Fish	[8]	3,066,000	3,847,000
Vegetable	[8]	423,000	806,000
Oleomargarine	65,816,000	[8]	16,864,000
Oleo oil	5,127,000	359,000	2,285,000
Shortening	157,281,000	891,000	71,887,000
Solid fatty acids produced by splitting hydrogenated fats and oils or by hydrogenation of fatty acids	6,130,000	1,617,000	[13]2,766,000
Stearin, animal, edible	3,040,000	2,044,000	2,437,000
inedible	1,822,000	863,000	1,655,000
vegetable oil, winter	8,813,000	10,206,000	5,735,000
Tall oil, crude	31,479,000	21,215,000	27,824,000
refined, including distilled and fractionated tall oil	10,952,000	5,994,000	13,894,000
Tallow oil	902,000	618,000	2,464,000
Vegetable oil fatty acids from foots and other than from foots	17,061,000	14,654,000	21,316,000
Winterized oil	46,719,000	24,055,000	17,401,000

Raw Materials at Mills

	Tons		
	Receipts	Crushings	Stocks Sept. 30
Castor beans	5,854	8,031	6,043
Copra	42,378	40,929	16,417
Corn germs	28,430	28,634	1,185
Cottonseed	601,101	409,971	472,067
Flaxseed	183,939	110,955	143,120
Olives	.....	.....	[11] .....
Peanuts,[1] shelled	.....	6,066	.....
unshelled	.....	160	.....
Soybeans	213,423	409,017	74,508
Tung nuts	.....	.....	.....
Other	4,394	6,635	1,755

[1] Data collected by the Bureau of Agricultural Economics.
[2] Included in "other vegetable oils" to avoid disclosure of individual operations.
[3] Data for stocks of crude palm oil, crude coconut oil, castor oil No. 1 and No. 3, and sperm oil were not shown for a period of three months (June, July and August) but have been restored in September on a commercial stocks basis. The exclusion of figures for three months was done to make it impossible to calculate reasonably accurate figures for stockpiles of strategic oils.
[4] Data on production collected by the Department of Agriculture. Refined lard production data represent Federally Inspected Lard. Lard stocks include quantities held in refrigerated storage amounting to 58,592,000 pounds for September 30, as reported by the Department of Agriculture.
[5] Data not available.
[6] Held by wool scourers.
[7] Included in "other marine mammal oil."
[8] Not shown to avoid disclosure of individual operations.
[9] Includes 33,761 bales first cut, 87,340 bales second cut, and 11,473 bales mill run. Average gross bale weights:—Total, 596.7; first cut, 587.0; second cut, 602.6, and mill run, 580.3 pounds.
[10] Includes 30,063 bales first cut, 35,254 bales second cut, and 6,257 bales mill run.
[11] Included in "other" to avoid disclosure of individual operations.
[12] Winterized-deodorized oil, hydrogenated-deodorized oil and cooking and salad oil not included.
[13] September data include 2,375,000 pounds held by producers.
[14] September data include 2,543,000 pounds held by producers.
[15] September data include 1,502,000 pounds held by producers.
[16] Includes data for synthetic glycerin.

Fats and Oils Demand Seen Increased in '51

Declaring that the outlook for fats and oils in the 1950-51 marketing year is dominated by the prospect for increased consumers' income and industrial activity, the Bureau of Agricultural Economics predicted November 2 that the prices of most fats and oils will average higher in the new year than in the marketing year just closed.

The bureau stated that stronger domestic demand for fats and oils will be supplemented by a continued strong export demand, based on rising economic activity in Western Europe and an increase in foreign supplies of dollar exchange. This strengthening of demand can be expected to be reflected in increased use of fats and oils as well as in prices, it was stated.

In reporting on the fats and oils outlook, E. L. Burtis, agricultural economic statistician, stated that the outstanding variance from the general picture of increased consumption and increased prices for fats and oils will probably be found in the case of linseed oil. The price of linseed oil, he stated, will average lower than in 1949-50. He pointed out that there is substantially more than a year's supply of flaxseed and linseed oil assured for 1950-51, and CCC presently is selling its linseed oil stocks at prices 3 cents below the average in the 1949-50 marketing year.

Domestic Output Seen Off

"Domestic output of fats and oils in the United States in the year beginning October, 1950, probably will total 11,700,000,000 to 11,800,000,000 pounds," Mr. Burtis stated. "This is slightly smaller than a year earlier, but is about the same as in 1948-49, and is well above any year before that.

"United States exports of fats, oils, and oil equivalent of oilseeds in the year ended September, 1950, totaled about 2,000,000,000 pounds moderately less than the record set the year before, but larger than in any previous year. Funds from appropriations to foreign aid programs furnished about 60 percent of the dollars used to buy fats, oils, and oilseeds from the United States in 1949-50. Foreign aid appropriations for 950-51 are substantially smaller than a year earlier. However, most of the reductions this fiscal year are to be made in spending for nonagricultural items and for agricultural items purchased outside the United States.

Increased Imports Expected

"Imports of fats and oils, including oil equivalent of oilseeds, in the year ended

—Continued on page 83

Paint Federation Maps Western Meeting Agenda

The Federation of Paint and Varnish Production Clubs has outlined the agenda for its western regional meeting, to be held November 17 and 18 in conjunction with the National Paint, Varnish and Lacquer Association at the Fairmont hotel, San Francisco, Calif.

Business will get under way on the afternoon of November 17 with addresses by J. F. Battley, NPVLA president, and A. T. Montanye, federation president. Following are the papers to be presented:—"Lead Compounds and Their Uses" by Alex Stewart, National Lead Company; "Properties of Petroleum Solvents as Related to the Viscosity of Alkyd Resin Solutions" by C. M. Shaw, California Research Corporation, and "Silicone Resins for the Paint Industry" by General Electric Company.

Also "Para-tertiary butyl Benzoic Acid: A New Resin Intermediate" by T. F. Milka and R. W. Tess, Shell Development Company; "Finishing Plywood" by T. Moran, Douglas Fir Plywood Association, and "Practical Methods of Application of Blacklight" by M. Vogel, Vogel Luminescence Company.

The banquet and installation of officers of the Golden Gate Paint and Varnish Production Club will be held the night of the seventeenth. Mr. Montayne will review "Federation Activities 1949-1950" to open the morning session on November 18. He will be followed by W. E. Rand, of Stanford Research Institute, who will talk on "Research in the Paint and Varnish Industry—Present and Future."

API Medal to Teagle

The American Petroleum Institute has awarded its 1950 gold medal for distinguished achievement to Walter C. Teagle, former president and board chairman of Standard Oil Company (New Jersey), New York. Presentation of the medal to Mr. Teagle will take place at the API's thirtieth annual meeting in Los Angeles, Calif., this month.

Build Your New
"Important-All-Year" Product with this Favorite Antihistaminic

IF YOU ARE considering marketing your own antihistaminic preparation you will prefer to employ an antihistamine which has *proved* its outstanding advantages. The material of your choice must combine *exceptionally high antihistaminic potency with a high index of safety.* Its properties must assure you that it will be *effective in a large variety* of allergic conditions. Also, the antihistaminic substance must be *extremely versatile,* suitable for formulation in any desired pharmaceutical form.

... And all of these qualities must have been established in laboratory, clinic, and everyday practice!

That is why you will prefer Pyranisamine Maleate Merck

PROVED highly effective and safe in extensive clinical tests.

DESCRIBED in the published reports of many allergists.

PRESCRIBED by thousands of physicians from coast to coast.

FAVORED by physicians and patients in every season of the year.

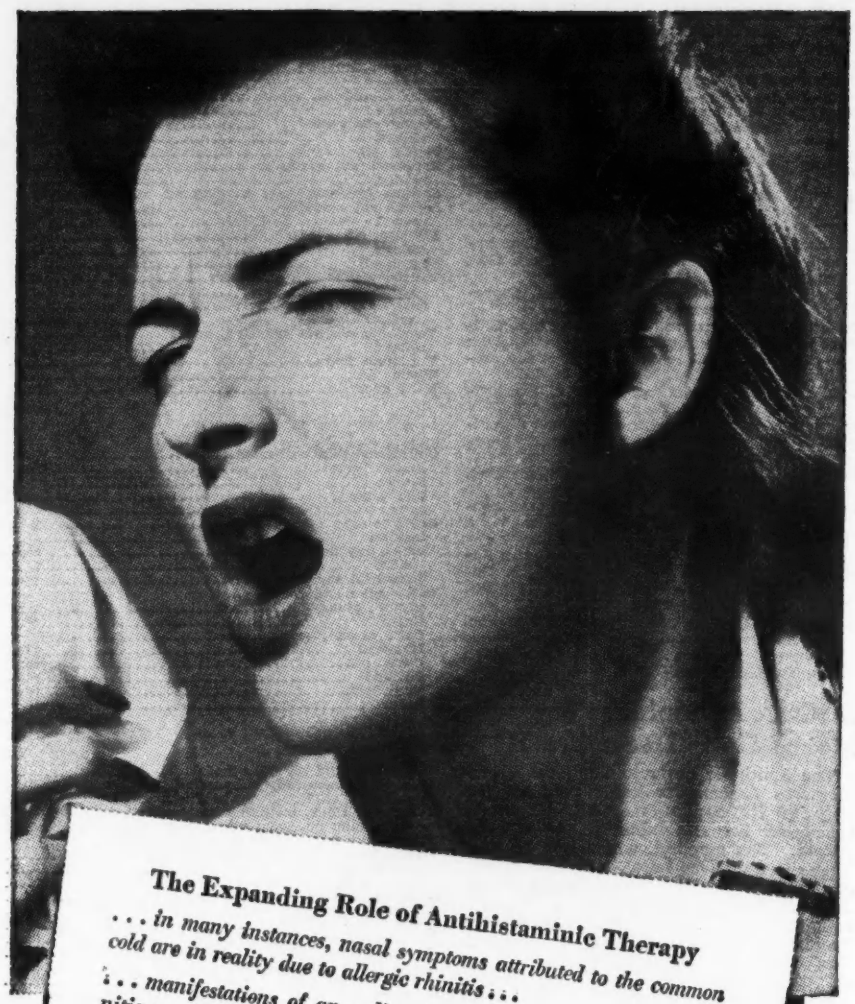
Wide Range of Process Data Available

Pyranisamine Maleate Merck offers you the ideal means of marketing effective antihistaminic products under your own label. Process information is available on Pyranisamine Maleate preparations in any of the following forms:

Tablets (including combinations with A.P.C.)
Syrups • Creams
Ointments (petrolatum or water-soluble base)
Ophthalmic Solutions • Nasal Solutions
Injectable Solutions

We shall be pleased to furnish samples for experimental use and to assist you in any technical problems involved.

MERCK & CO., INC.
Manufacturing Chemists
RAHWAY, NEW JERSEY



The Expanding Role of Antihistaminic Therapy

... in many instances, nasal symptoms attributed to the common cold are in reality due to allergic rhinitis ...

... manifestations of an ordinarily nontroublesome allergic rhinitis may be aggravated by a superimposed common cold ...

Clinicians' statements, such as these, serve to emphasize the growing year 'round importance of antihistaminic therapy. Whether intended for the relief of allergic symptoms in *perennial* or in *seasonal* allergies—antihistaminic preparations have become one of the most important product groups in the pharmaceutical field.

MERCK

Pyranisamine Maleate Merck

Current Market Quotations

Chemicals and Related Materials

November 3, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb 40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —

Acetaldehyde, 99% dms., c.l., frt. equald lb. .12 - —
l.c.l., frt. equald lb. .12¾ - —
tanks, frt. equald lb. .10 - —

Acetaldol (see Aldol).

Acetamide (ech. fib., dms lb 45 - —

Acetanilide tech. bbls., c.l., dlvd lb. .24½ - —
l.c.l., ton lots lb. .25½ - —
smaller lots lb. .26½ - —
USP, bbls, 2,000-lb. lots lb 50 —
smaller lots lb 56 —

Acetic anhydride dms., c.l., frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15½ - —
tanks, frt. alld E lb. .12½ - —

Acetoacetanilide, bbls., dlvd lb. .69½ - —
fib. dms., c.l., dlvd lb. .68½ - —
l.c.l., dlvd lb. .69½ - —

Acetoacetorthoanisidide, fib. dms., works 500 lbs. or more lb 1.50 - —
smaller lots same basis lb 1.75 - —

Acetoacetorthochloranilide, bbls., dlvd lb 1.15 - —
fib. dms., c.l. dlvd lb 1.14 - —
l.c.l., dlvd lb 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. 74½ - —
fib. dms., c.l., dlvd lb. 73½ - —
l.c.l., dlvd lb. 74½ - —

Acetoacetparaphenetidide, dms., 500 lbs. or more, works lb. 1.65 - —
smaller lots same basis lb 1.90 - —

Acetone, CP, dms., c.l., dlvd lb. .10¼ - .11¾
l.c.l., dlvd lb. .11 - .12¼
tanks, dlvd lb. .08½ - .10

Methyl (see M).

Acetonitrile dms., c.l., works lb 42 - —
l.c.l., works lb 45 - —

Acetophenetidin USP, bbls., works, frt. equald lb 1.10 - 1.33

Acetophenone, cns., dms lb. 1.35 - 1.85
tech., l.c.l., dms., works lb. 75 —

Acetyltributyl citrate, tech. dms. lb. .31½ - —
smaller pkgs lb. .60 - —

Acetyltriethyl citrate, tech. dms. lb. .27 - —
smaller pkgs lb. .53 - —

Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145 - —
cryst., dms., c.l., works lb. .05½ - —
l.c.l. works lb. .06 - .06½

Acetic, com'l or redist., 28%, bbls. 100 lbs. 3.90 - —
56%, bbls 100 lbs. 6.50 - —
70%, bbls 100 lbs. 7.75 - —
80%, bbls 100 lbs. 8.60 - —

glacial, synthetic, CP, dms., works 100 lbs. 13.50 - —
cbys., works 100 lbs. 18.50 - 22.50
USP, cbys., works 100 lbs. 14.00 - 18.00
tech., dms., c.l., works 100 lbs. 9.50 - —
l.c.l., works 100 lbs. 10.00 - —
tanks, works 100 lbs. 8.00 - —

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh) bbls. same basis. lb. .52 - —

Freight equald, ship't identical quantity over standard routes from N. Y., Phila., Midland, Mich. Chicago and St. Louis

Aconitic 5,000 lbs. 1 shipt. dms. lb. 49 —
smaller lots, dms lb. 49½ .54½

Adipic, fib dms., works lb. 26½ —

Aminoacetic NF, bbls., frt. adjusted lb. 1.50 1.75

Anthranilic resub. bbls lb 2.10 —
tech., bbls., frt. equald lb. 1.21 - —

Arsenous (tech (see Arsenic, white).
USP (see Arsenic trioxide)

Ascorbic, USP, dms., 25-50 kilo lots kilo. 24.50 - —
10-kilo lots kilo. 24.85 - —
5-kilo lots kilo. 25.25 - —
bots., kilo lots kilo. 25.50 - —
500-gram lots kilo. 26.00 - —

Battery cys. c.l., E. works 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —

Benzoic tech bbls. dms., 100 lbs. or more lb 43 —
USP bbls dms. 100 lbs up lb 54 —

Betahydroxynaphthoic bbls., works lb. 1.29 - 1.39

Boric, tech. 99½%, cryst., bgs., c.l., works ton. 118.25 - —
ton lots ex whse., N. Y. or Chi ton. 164.00 - —
less ton lots, same basis. ton. 169.00 - —
bbls., c.l., works ton. 142.75 - —
ton lots, ex whse., N. Y. or Chi ton. 188.50 - —
less ton lots, same basis. ton. 193.50 - —
bulk, c.l., works ton. 114.25 - —
gran., bgs., c.l., works ton. 93.25 - —
ton lots, ex whse., N. Y. or Chi ton. 139.00 - —
less ton lots, same basis. ton. 144.00 - —
bbls., c.l., works ton. 117.75 - —
ton lots, ex whse., N. Y. or Chi ton. 163.50 - —
less ton lots, same basis. ton. 168.50 - —
bulk, c.l., works ton. 89.25 - —

Acid, boric, powd., bgs., c.l., works. ton. 98.25 - —
ton lots, ex whse., N. Y. or Chi ton. 144.00 - —
less ton lots, same basis. ton. 149.00 - —
bbls., c.l., works ton. 122.75 - —
ton lots, ex whse., N. Y. or Chi ton. 168.50 - —
less ton lots, same basis. ton. 173.50 - —
bulk, c.l., works ton. 94.25 - —
USP $25 per ton higher.

Broenner's, bbls lb 1.34 —

Butyric, 99%, dms, c.l. works lb 36½ —
l.c.l., works lb. 37 —
tankcars works lb. .35 —

Cacodylic bots lb. 10.00 11.00

Camphoric natural, dms lb 5.00 5.65
synth. dms lb 4.00 4.75

Capric, 90%, dms., l.c.l lb .45 —

Caprylic, 90%, dms., l.c.l lb. .45 —

Castor oil, split, dms lb. .31½ .32

Chicago, bbls., frt. alld lb 2.92 —

Chlorosulphonic, dms., c.l., works lb. .036 —
l.c.l., works lb. .041 —
tanks, works lb. .031 —

Chromic, 98½-99¾% dms., c.l. works lb. .27 —
l.c.l., works lb. .27½ - .28½

USP (see Chromium trioxide)

Cinnamic, refd. bots lb 2.50 4.00

Citric, anhyd., gran., fine gran. dms., c.l lb 26½ —
10,000 lbs. 1 ship't lb 27 —
smaller lots lb 27½ —
kgs lb 28½ —

Anhydrous citric acid powder ½c per lb. higher

USP, cryst., dms., c.l. lb 27½ —
10,000 lbs., 1 ship't lb 28 —
smaller lots lb 28½ —
kgs lb 29½ —
gran., fine gran., dms., c.l. lb 24½ —
10,000 lbs., 1 ship't lb 25 —
smaller lots lb 25½ —
kgs lb 26½ —

USP citric acid powder ½c per lb. higher.

Cleve's, mixed, bls lb. 72 —

Coconut oil, dist., dms lb. .26½ - .27¾
double dist., dms lb. .28½ - .29¾

Cottonseed oil, dist., dms lb. .16 - .17¼
double dist., dms lb. .16½ - .17¾

Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equaled gal. 1.06 - 1.11
l.c.l., non-ret. dms., same basis lb. 1.09 - 1.14
ret. dms., c.l., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —

Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis gal. .93 - 1.00
204° to 207° C, non-ret. dms., c.l., same basis gal. 1.06 - 1.11
l.c.l., same basis gal. 1.09 - 1.14
ret. dms. c.l. same basis. gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .95 - 1.00

petroleum, 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .56 - —
200° C to 222° C, tanks, Wilmington, Cal gal. .56 - .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C to 242° C, tanks, Wilmington, Cal gal. .50 - .53
237° C to 265° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .59 - —
l.c.l., same basis gal. .61 - .63
tanks, same basis gal. .46 - —
245° C to 298° C, tanks, Wilmington, Cal gal. .46 - —
imported coaltar 75% at 215°C or over, dms., c.l.f. gal. 1.15 - 1.20

Crotonic, fib dms, works lb 29 —

Cyanoacetic, tech bbls lb 90 1.23

Desoxycholic, bots lb. 22.00 - 25.00

Dichlorophenoxyacetic, (see "D" 2, 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs., works lb. .14 —

Ethylthexoic, dms., c.l., works lb. .33 - —
l.c.l., works lb. .33½ - —
tanks, works lb. .31½ - —

F, crude, paste, bbls., works lb. 1.52 - —

Folic, bots, fib cans, kilo or more gram 2.00 —

Formic, 85%, cbys, c.l. works lb 13 13½
l.c.l., works lb. 13½ 14
90%, cbys., c.l., works lb. 13½ 14
l.c.l., works lb 14 14½

Fumaric, tech., bbls., dms lb. .32 - .33

Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.80 - —
smaller lots lb. 1.83 - 1.87
technical, bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb. 1.61 - 1.65

Gamma dry ground bbls., frt. alld lb. 1.37 - —
paste, bbls., frt. alld lb. 1.32 - —

Gluconic, tech., 50%, bots lb. .23 - .31
dms lb 14 —
kgs lb .16 —

Glutamic, laevo, 99% fiber dms. 100 lb. lots, works lb. 2.45 - —
25 lb. lots lb. 2.60 - —

Acid, glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35

Glycollic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .60 - —

Hydriodic, 45-47%, cbys lb. 2.57 - 2.59
57%, cbys lb. 2.86 - —

Hydrobromic, mecmical, 48%, cbys., dlvd. E lb. .36 —
tech., 48%, cbys., dlvd E lb. .34 .36

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —

Hydrofluoric, anhyd., cyls., works. lb. .19 .19½
tanks, works lb. .16½ - .18
30%, wood or rubber, dms., works lb. .06½ .09
70%, steel dms., works lb. .143 - .148

Hydrofluosilicic, 30-35%, bbls lb. .08 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle W. Va., 100% basis lb. .065 —

Hypophosphorous, purif., 50%, cbys. lb 1.30 1.32
USP, cbys lb. 78 —

J, bbls., works 100% basis lb. 2.50 2.85

Koch, bbls., frt. alld lb. .64 - —

L, bbls., frt. alld lb. 1.25 - —

Lactic, edible 50% bbls., 20 or more lb. .18½ - —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more. lb. .295 .333
plastic grade 50% bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ —
80%, bbls., 5 or less lb. .3495 .3545
tech., 22% bbls., f.l., works 100 lbs. 5.80 —
t.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
t.c.l., bbls., works 100 lbs. 11.35 - —
cbys. works 100 lbs. 11.85 - —
NF, 85% cbys lb. 69 .72
Laurent's, bbls lb. .60 - .67

Lauric, 90-95% dms lb. .30½ - .31
60% dms lb. .27½ - .28

Linseed oil, reg., dist., dms lb. .2150 - .22
water-white, dms lb. .2450 - .25

Maleic, powd., dms lb. .32 - .33
Anhydride (see M).

Malic, dms lb. .45 —

Mandelic, NF, dms, 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 - 2.10

Metanilic, dms., works lb. .57 - —

Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½ - .80

Molybdic, dms, 85%-82% works lb. .88 —

Monochloroacetic, purified, flake, 99%, dms lb. .22½ - .24¼
tech., flake, 96-97%, dms lb. .19 - .21

Muriatic, 18°, cbys., c.l., works 100 lbs. 2.05 - 2.30
l.c.l., works 100 lbs. 2.35 - 2.40
tanks, works ton. 22.00 - 23.00
20°, cbys., c.l., works 100 lbs. 2.30 - 2.35
l.c.l., works 100 lbs. 2.60 - 2.65
tanks, works ton. 25.00 - —
22°, cbys., c.l., works 100 lbs. 2.80 - 2.90
l.c.l., works 100 lbs. 3.10 - 3.90
tanks, works ton. 28.00 - 30.00

CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾ —
l.c.l., same basis lb. 09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
l.c.l., same basis lb. .14¼ .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dms., l.c.l lb. .35 Nom.

Naphthenic 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic (see Acid L)

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms., frt. alld lb. .97 - —

Nicotinic, USP, dms., frt adjusted kilo. 8.00 8.30

Nicotinic amide (see Nicotinamide).

Nitric, 36° cbys. c.l., E. works 100 lbs. 5.00 —
t.c.l., E. works 100 lbs. 5.40 6.10
38° cbys. c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5.90 6.60
40° cbys. c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E works 100 lbs. 6.40 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 7.00
l.c.l., E works 100 lbs. 6.90 7.60

CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½ —
l.c.l., same basis lb. 13 .13½
5 pint bottles extra, cs., c.l., frt equald lb. .15½ —
t.c.l. same basis lb. .17 .18

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations
Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djus.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes	gal.	gallon	reg.	regular
C.	centigrade	gran.	granular	resub.	resublimed
cbys.	carboys	grd.	ground	ret.	returnable
CD	completely denatured	i.&a.	iron and aluminum	SD.	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d.	single distilled
				S. E.	southeast
cks.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g.	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col.	color			solut.	solution
com'l	commercial	kgs.	kegs	s.u.	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP.	U. S. Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed anilin point	vis.	viscosity
ctns.	cartons			VM&P.	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W.	west
denat.	denatured			w.w.	water white
dest.-dist.	destructive-distilled	N.	nitrogen	whse.	warehouse
		nat.	natural		

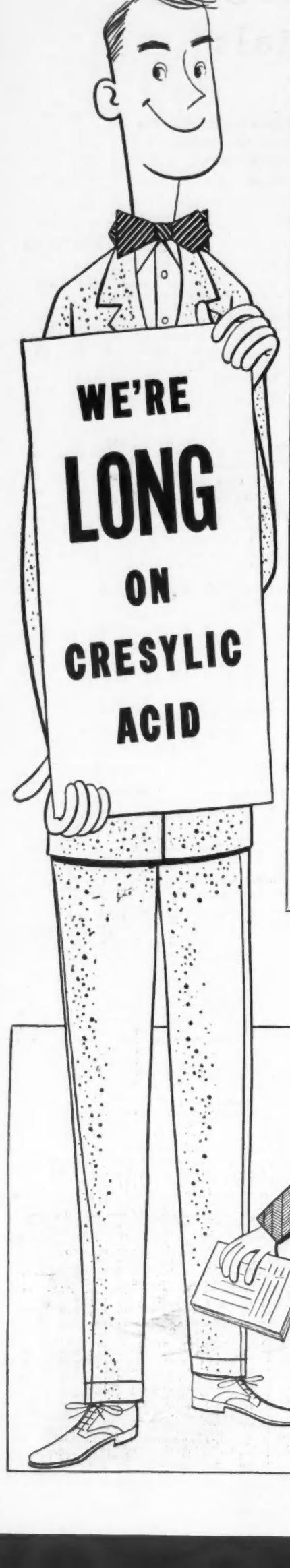
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .15¼- .16¼
10,000 lbs., works lb. .15½- —
smaller lots, works lb. .16½- —
Palm oil, white, dist. dms lb. .21¼- .21¾
Para-aminobenzoic, USP XIV, dms., 100 lbs. or more, works lb. 4.30 - 5.10
smaller lots, works lb. 4.85 - 5.30
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 6.00 - 7.50
smaller lots lb. 6.05 - 7.80
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Peanut oil, s.d., dms lb. .12¾- .13¼
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l. works, frt. equald 100 lbs. 6.50 —
l.c.l., works, frt. alld 100 lbs. 7.00 - 7.50
tanks, works, frt. equald 100 lbs. 4.75 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, ngs. lb. .65 .70
Picric, NF, 300-lb. bbls. lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls. lb. .32 - .33
Propionic, natural, dms., works, lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. 2.76 - 2.81
NF, cryst., dms lb. 3.25 - 3.30
Pyroligneous, dms. incl., l.c.l., works, South gal. .31 - —
whse. gal. .43 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb 2.97 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .33 - —
l.c.l. lb. .40 - —
dyestuffs grade, bbls lb. .34 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified dms., c.l., works, lb. .62 - —
l.c.l., works lb. .64 - .68
Soybean oil, single, dist., dms lb. .17½- .18¾
double dist., dms lb. .18 - .19¼
Stearic, double pressed, bgs lb. .19½- .20¾
single-pressed, bgs lb. .18½- .19¾
triple-pressed, bgs lb. .21¾- .23
Succinic, purified, crys., bbls., works lb .75 —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .19 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.60
tanks, works ton. 16.20 -16.65
Sulphuric 66° Be, cbys., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.40 - 2.85
tanks, works ton. 19.85 -20.00
98%, tanks, works ton. 21.00 -21.30
CP, NF, consumers, cbys., extra, c.l., works, frt. equald. lb. .07¾- —
l.c.l., same basis lb 09¼ .09¾
5 pt. bottles extra, cs., c.l., works, frt equald lb 11¼ —
l.c.l., same basis lb 12¾- .13¾
fuming, 20%, tanks, works ton. 22.40 - —
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.

Acid, tallow, dist., dms lb. .15½- .16¾
Tannic, tech., dms lb. No prices.
fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.61 - 1.65
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb 1.51 - 1.54
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't lb. .36 - —
smaller lots lb. .36½- —
100-lb. dms lb. .37½- —
small dms lb. .39½- .41½
imported, kgs. lb. .34 - .36
Thioglycolic, refined, bbls., cbys., basis 100% lb lb 1.60 - 1.80
tech. bbls. cbys. basis 100% lb lb 1.40 - —
Tobias, bbls., frt. alld lb. .69 - —
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l. works lb. .20 - —
tanks, works lb. .17 - —
Trichloroacetic bots lb 2.00 2.50
Trichlorophenoxyacetic (see 2,4,5-T)
Tungstic tech. ess. works lb 2.20 2.40
Undecylenic, dms lb. 1.00 1.25
Aconite leaves, bls lb. .40 - .42
Root, bls lb. .48 .52
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00
Acrolein dms. works lb .50 —
Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .25 - .30
Agar, USP Kobe, No. 1 strip, bls lb. 1.25 - 1.30
powdered, 30 mesh, fib. dms lb 1.65 —
Agaric, white, bls lb. 1.60 1.75
Agrimony herb, bls lb. .35 - .40
Alanine, dextro-laevo, dms., works, lb 6.50 -11.00
Albumen (eggs), edible, flake, bbls. lb. 1.28 - 1.30
powd., bbls lb. 1.31 - 1.34
tech., cryst., bbls lb. .77 - .80
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .67½- .72½
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld, E. Miss lb. .16¾- —
l.c.l., frt. alld E. of Miss lb. .17¾- —
tanks, frt. alld, E. of Miss (see also Fusel oil, ref.) lb 15 - —
fermentation, refined, (26-132°C., dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb 32 - —
128-132°C. dms., l.c.l. dlvd. lb 36 - —
ACS grade, dms., l.c.l., dlvd lb 42 - —
Benzyl, NF, dms lb. .60 - .88
tech. dms., works, frt. equald. lb 45 .50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .17¾- .32¼
l.c.l., frt. alld lb. .18¾- .33¼
tanks, frt. alld lb. .16 - .30½
synthetic, normal, dms., c.l., frt. alld lb. .16¼- —
l.c.l., frt. alld lb. .17¼- —
tanks, frt. alld lb. .14½- —
secondary, dms., c.l., frt. alld. lb. .11¾- .12¾
l.c.l., dlvd., frt. alld lb. .12½- .13½
tanks, dlvd., frt. alld lb. .10 - .11
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots. lb 2.75 - 3.20
Denatured, SD12, SD13, CD14, dms., dlvd. E. of Miss. R. gal. .64 - .96½

Alcohol, denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Miss. R. gal. .79 - .96½
l.c.l., dlvd. E. of Miss. R. gal. .83 - 1.05½
tanks, dlvd. E. of Miss. R. gal. .67 - .84½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .69½- .97½
l.c.l., same basis gal. .73½- 1.06½
tanks, same basis gal. .57½- .85½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .69½- .97½
l.c.l., same basis gal. .73½- 1.06½
tanks, same basis gal. .57½- .85½
SD2B, dms., c.l., E. of Miss. R. gal. .68 - .98
l.c.l., same basis gal. .72 - 1.07
tanks, same basis gal. .56 - .86
SD3A, dms., c.l., E. of Miss. R. gal. .68 - .95½
l.c.l., same basis gal. .72 - 1.04½
tanks, same basis gal. .56 - .83½
SD23A, dms., c.l., E. of Miss. R. gal. .79½- .96½
l.c.l., same basis gal. .83½- 1.05½
tanks, same basis gal. .67½- .84½
SD23H, dms., c.l., E. of Miss. R. gal. .70 - .96½
l.c.l., same basis gal. .74 - 1.05½
tanks, same basis gal. .58 - .84½
SD27A, dms., c.l., E. of Miss. R. gal. 1.04 - —
l.c.l., same basis gal. 1.13 - —
tanks, same basis gal. .92 - —
SD30, dms., c.l., E. of Miss. R. gal. .76½- .93½
l.c.l., same basis gal. .80½- 1.02½
tanks, same basis gal. .64½- .81½
SD35A, dms., c.l., E. of Miss. R. gal. .82½- 1.01
l.c.l., same basis gal. .86½- 1.10
tanks, same basis gal. .70½- .89
SD40, dms., c.l., E. of Miss. R. gal. .79 - .96½
l.c.l., same basis gal. .83 - 1.07½
tanks, same basis gal. .67 - .86½
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.87 -18.07
l.c.l., same basis gal. 17.91 -18.16
tanks, same basis gal. 17.75 -17.95
tax free, dms., c.l., dlvd. E. Miss. R. gal .77 - .97
l.c.l., same basis gal. .81 - 1.06
tanks, same basis gal. .65 - .85
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.77 -18.97
l.c.l., same basis gal. 18.81 -19.06
tanks, same basis gal. 18.65 -18.85
Phenylethyl, cns lb. 1.40 - 1.60
Ethylbutyl, dms., c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l. works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined)
Isobutyl, dms., c.l., dlvd lb. .14¾- —
l.c.l., works lb. .15¾- —
tanks, dlvd lb. .13 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l. works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd gal. .49 - —
l.c.l., dlvd gal. .54 - —
tanks, dlvd gal. .37 - —
95%, dms. incl., c.l., dlvd gal. .50½- —
l.c.l., dlvd gal. .55½- —
tanks, dlvd gal. .38½- —
99%, dms. incl., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .40 - —
Methyl (see Methanol)
Methylamyl (see Carbinol, methyl-isobutyl)
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 1.70 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60



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Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls	lb.	.65	.70
type B, fiber-pack, same basis	lb.	.60	.68
Propyl, normal, dms., c.l., dlvd.	lb.	.10¾-	—
l.c.l., dlvd	lb.	.11¾-	—
tanks, dlvd	lb.	.09	—
Salicyl (see Saligenin).			
Tetrahydrofurfuryl, cns., Waverly, N. Y.	lb.	.47	—
dms., Niagara Falls, N. Y.	lb.	.40¼-	—
l.c.l., Waverly, N. Y.	lb.	.42½-	—
tanks, Niagara Falls, N. Y.	lb.	.38	—
industrial grade, dms., c.l., Niagara Falls, N. Y.	lb.	.29	—
l.c.l., Waverly, N. Y.	lb.	.30½-	—
tanks, Niagara Falls, N. Y.	lb.	.26½-	—
Aldol, 95%, dms., works	lb.	.15	.16
denaturing grade, dms.	gal.	1.33	1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld	lb.	1.06	—
l.c.l., works, frt. alld	lb.	1.20	—
Aletris root, bgs.	lb.	1.75	1.90
Algin, bbls., fib. dms.	lb.	.76	1.20
Alizarin (see Red, alizarin)			
Alkanet root, bgs.	lb.	.35	.40
Allethrin, 100%, dms., 1 to 10 dm., lots	lb.	45.00	—
smaller lots, works	lb.	50.00	55.00
solution, 20%, dms., 100 lb.-lots, works	lb.	9.00	—
10%, dms., works	gal.	37.75	—
2%, dms., works	gal.	7.75	—
Allspice, Jamaica (see Pimento)			
Mexican, bgs., futures	lb.	.19	.20
Allyl bromide, cnys., 5,000 lbs., works	lb	.99	—
smaller lots, works	lb	1.05	1.10
Allyl chloride, dms., c.l., dlvd.	lb.	.16¾-	—
l.c.l., dlvd	lb.	.17½-	—
tanks, dlvd	lb.	.15	—
Starch, solid, dms., works	lb.	.51	—
solution, 40%, dms., works	lb.	.25½-	—
Aloe, Cape, cs	lb.	.38	.39
powdered, cs	lb.	.48	.49
Curacao, kgs.	lb	.35	.36
Socotrine, kgs	lb	.35	.36
Aloin, USP, bbls., dms., kgs	lb	3.50	—
Alphanaphthol, bbls., frt. alld	lb.	.77	—
Alphanaphthylamine, bbls., frt. alld.	lb.	.43	—
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld	lb	2.00	2.40
Alphanitronaphthalene, bbls., frt. alld	lb.	.37	—
Alphapicoline, ref. dms., c.l., works, frt. equald	lb.	.29½-	.39½
l.c.l., works, frt. equald	lb.	.30	.40
Alphapinene, tanks, South works	gal.	No prices.	
Alphaterpineol, dms., t.c.l., dlvd. E.	lb	.17	—
Alphatocopherol, bots	kilo.	350.00	—
Acetate, bots	kilo	350.00	—
Althea root, NF, peeled, bls	lb	.30	.40
Alum, ammonium, gran., bbls., works	100 lbs	3.30	—
lump, bbls., works	100 lbs	4.05	—
powd., bbls., works	100 lbs	4.20	—
USP, burnt, bbls	lb	.20	.21
hydrous, bbls	lb	.07¾	.08
Potassium, gran., bbls., works	100 lbs.	4.05	—
lump, bbls., works	100 lbs	4.30	—
powd., bbls., works	100 lbs	4.45	—
USP, burnt, bbls	lb.	.20	.21
hydrous, bbls	lb.	.07¾	.08
Potash-chrome, dms.	lb.	.17	—
Soda, bbls., c.l., works	100 lbs	3.25	—
l.c.l., dlvd	100 lbs	4.25	5.00
Alumina, calcined, bgs., c.l., works	lb.	.03½-	.05½
crystalline (see Aluminum oxide)			
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works	lb.	.11	—
20% bbls., l.c.l., works	lb.	.10	—
Chloride, anhyd., com'l, dms., c.l., works	lb.	.13	—
l.c.l., works	lb.	.13½-	—
cryst., com'l, dms., c.l., works	lb.	.0650-	—
l.c.l., works	lb.	.0650-	—
NF, gran., dms., works	lb.	.27	.28
solution, 32°, cbys., c.l., works	lb.	.03¼-	—
l.c.l., works	lb.	.04	—
Fluoride, (ech., anhyd., bbls., c.l., works	lb.	.10	—
l.c.l., works	lb.	.11	.13
Formate, basic solution, cbys., c.l.	lb.	.09½	—
l.c.l., works	lb	.10	—
Hydrate, heavy, bgs., c.l., frt. equald	ton	50.00	54.00
l.c.l., works	ton	72.00	86.00
light, bgs., dlvd	lb	.17	—
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, 6b dms., works	lb	21¼-	—
contract, works	lb	20¼-	—
9-9½% Al_2O_3, 6b dms., works	lb	18¼-	—
contract, works	lb	17¼-	—
dried USP XII, 6b dms., works	lb	79½-	—
contract, works	lb	76½-	—
powder, tech. (see Aluminum hydrate).			
Laurate, precip., bbls	lb	38½-	—
Linoleate, solid, dms., frt. alld	lb	39½	
Metal, 99%+, ingots, 10,000 lbs.	lb.	.19	—
pigs, 10,000 lbs	lb.	.18	—
Naphthenate, liquid, 1.7%, frt. alld	lb.	.26	—
Oleate, dms., precip	lb	35¼-	—
Oxide, amorphous (see Alumina, calcined).			
crystalline, flour, classified, 8-240 mesh, dms., frt. alld	lb.	.14	.15
kgs., ton, frt. alld	lb	12½	—
smaller lots, frt. alld	lb	13	15
280-400 mesh, dms., frt. alld	lb	32	33
kgs., frt. alld	lb	31	—
600 mesh, dms., frt. alld	lb	35	37
kgs., frt. alld	lb	34	—
600 mesh, dms., frt. alld	lb	51	53
kgs., frt. alld	lb	50	—
Aluminum oxide flour prices W. of Denver ¾c per lb higher.			
optical, floated, kgs., dlvd	lb	36	38
unclassified, dms., frt. alld	lb	16	.17
kgs., frt. alld	lb	15	—
Paste, lining, extra fine, dms	lb.	.59½-	—
standard, dms	lb.	.41	—
Powder, lining, extra fine, dms	lb.	.97½-	—
standard, dms	lb.	.68½-	—
rubber comp., dms	lb.	.58½-	—
unpolished, standard, dms	lb.	.54½-	—
varnish standard, dms	lb.	.59	—

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb for 100 lb dm., 1½c per lb for 50-lb dm., 3c per lb for 10-lb can and 5c to 12c per lb for smaller containers. Deduct 1c per lb for single shipment of 400 to 1,499 lbs., 2c for 1,500 to 4,999 lbs., 3c for 5,000 to 99,999 lbs. and 4c for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld.	lb.	.25¼-	—
Aluminum stearate, dibasic, ctns., c.l.	lb.	.35	—
l.c.l.	lb.	.36	—
monobasic, ctns., c.l.	lb.	.35	—
l.c.l.	lb.	.36	—
tribasic, ctns., c.l.	lb.	.35	—
l.c.l.	lb.	.36	—
Sulphate, com'l, bulk, c.l., works, 100 lbs.		1.63	—
iron-free, bgs., c.l., works, frt. equald	100 lbs.	2.75	—
l.c.l., works	100 lbs.	3.15	—
NF, gran., dms., works	lb.	.27	.28
powd., dms., works	lb.	.32	.33
Trihydrate, heavy (see Aluminum hydrate)			
Ambergris, gray, bots	oz.	8.00	10.00
Aminoazotoluene, bbls	lb.	1.03	—
Aminomethylpropanol, cns., dms., works	lb.	.90	—
Aminoethylethanolamine, dms., c.l., works	lb.	.42	—
l.c.l., works	lb.	.42½-	—
tanks, works	lb.	.40	—
Aminophylline, USP, 100-lb. dms.	lb.	5.35	5.85
Aminopyrine, USP, bots., dms	lb.	6.00	6.15
Ammonia, anhydrous, fertilizer, tanks, works	ton.	74.00	75.00
pure, cyls., extra, zone 1	lb.	.17	.17½
2	lb.	.19	.19½
3	lb.	.21	.21½
4	lb.	.18	.19½
refrigeration, tanks, works	ton.	76.50	77.50
Aqua (29.4% NH_3), dms., c.l., works	100 lbs.	3.10	—
l.c.l., works	100 lbs	3.50	—
tanks, works, anhyd. basis	ton.	80.00	81.00
Ammoniac gum (see Gum, ammoniac)			
Sal, gray, bgs., c.l., works, frt. equald	100 lbs.	7.00	—
l.c.l., same basis	100 lbs.	7.40	—
white, gran., bgs., c.l., works	100 lbs.	4.60	—
l.c.l., works	100 lbs	6.25	—
Ammoniacal liquor, tankcars, works, anhyd. basis	ton.	75.00	80.00
Ammonium acetate, purified, dms	lb.	.39	.40
reagent, jars	lb.	.61	.63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld	lb.	.80	—
smaller lots, frt. alld	lb	.61	1.00
Biborate, bbls., c.l., works	ton.	309.50	—
ton lots, ex whse	ton.	372.50	—
less ton lots, ex whse	ton.	377.50	—
Bicarbonate, dms., c.l., works	lb.	.05½-	—
l.c.l., works	lb.	.06	—
Bichromate, bbls., works	lb.	.33	.36
Billuoride, dms., dlvd	lb	15	18¼
Bromide, gran., NF, bbls.	lb.	.36	.39
dms.	lb.	.39	.42
Powdered ammonium bromide 10c. per lb. higher.			
Carbonate, USP, lump, powd., dms	lb.	.20	.21
Chloride, tech. (see Ammoniac, sal)			
USP, gran., bbls., dms	lb	.18	.19
Citrate, dibasic, bbls	lb	.75	—
dms.	lb	.80	.85
Fluoride (see Billuoride).			
Hydroxide (see Ammonia, aqua)			
Hypophosphite, NF, dms	lb	2.40	—
Iodide, NF, jars	lb.	4.01	4.11
Linoleate, plastic, 50%, dms., works	lb	40½-	—
kgs., works	lb	42½-	—
25%, dms., frt. alld	lb	21½-	—
tech., bbls., works	lb	37	—
dms., works	lb	39	—
Molybdate, chemical grade, bbls., kgs	lb	.85	—
metal grade, kgs	lb	.90	—
tech. grade, bbls., kgs	lb	.80	—
Nitrate, fertilizer grade, Canadian, eastern, 32.5% N, bgs., c.l., shipping point	ton.	63.00	—
33.5% N, bgs., del., f.o.b. cars, Los Angeles	ton.	71.55	—
Ammonium nitrate, fertilizer grade, domestic, bgs., western works,	ton	58.00	—
with dolomite, 20.5% N, bgs., Hopewell, Va	ton	48.00	—
Oleate, dms., precip	lb	23¼-	—
Oxalate, fine gran., dms	lb	.25	.31
Pentaborate, gran., bbls., c.l. works	ton.	219.50	—
ton lots, ex whse	ton.	282.50	—
less ton lots, ex whse	ton.	287.50	—
Ammonium pentaborate powder, $10 per ton higher			
Perchlorate, kgs., works	lb	.50	.75
Persulphate, kgs	lb	25½	28¼
Phosphate, com'l, bgs., c.l., works	lb.	.08¾-	—
l.c.l., works	lb.	.08¾-	—
dibasic, NF, V, bbls, dms	lb	.40	—
tech., bgs., c.l., works	lb	.08	—
l.c.l., works	lb	.08½	—
Salicylate, NF, dms., kgs	lb.	1.34	1.35
Silicofluoride, dms., works	lb	.12	.13
Sulphamate, bbls., dms., works	lb	.18	.20
Sulphate, coke-oven, bulk, producing ovens	ton.	32.00	37.00
converters', Gulf and Atlantic ports	ton.	45.00	49.50
Sulphide, liquid, 40-45% basis, 100% dms., c.l. works.	lb	10½	—
l.c.l., works	lb	15½-	—
tanks, dlvd. or frt. alld	lb	.09	—
Sulphocyanide, (ech (see Ammonium thiocyanate)			
Thiocyanate, tech., bbls., c.l., works	lb.	.15	.18
l.c.l., works	lb.	.16	.20

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Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.60
highly purified, same basis lb. 1.70 - 1.90
Thiosulphate cryst., jars works lb. .32 - —
Amphetamine citrate dextro, bots. lb. 36.00 - —
dextro laevo, dms lb 8.50 - —
Hydrochloride, dextro, dibasic bots lb 36.00 - —
monobasic, bots lb 34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate dextro dibasic bots lb 36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb 6.00 - —
Sulphate, dextro dms lb. 36.00 - —
dextro-laevo dms lb 6.50 - —
Amyl acetate ex fusel oil, tech., dms., c.l., dlvd lb. .24¾- —
l.c.l., dlvd lb. .25¾- —
tanks, dlvd lb. .23 - —
ex pentane dms, c.l., frt. alld. E. of Miss R lb 16 — —
l.c.l. same basis lb 17 - —
tanks, same basis lb 15 — —
Alcohol (see Alcohol amyl).
Butyrate dms lb .90 1.00
Cinnamic, aldehyde, dms lb. 1.60 - 2.05
Nitrite USP bots lb 1.75 1.83
Salicylate, cns., dms lb. .80 - .85
Anethol, NF, cns., dms lb. 1.18 - 1.40
Angelica root dom. bls lb .65 .70
imported, bls lb. .75 - .85
Angostura bark, bls lb. .48 - .50
Aniline oil, dms., c.l. works, frt. alld lb. .17 - .17½
l.c.l., works, frt. alld lb. .18 - .18½
tanks, works, frt. alld lb. .16 - —
Salt, dms., frt. alld lb. .28 - —

Anise, Argentine bgs lb. No stocks.
Chinese, star, bgs lb. .23 - .24
Cyprus bgs lb 20 20¼
Czech, bgs lb. .15 - .15½
Mexican, bgs lb. .16½- .17
Syrian bgs lb .15 Nom.
Turkish, bgs lb. .15½- .16
Anisic aldehyde, bots., dmr lb. 2.00 2.45
Annatto powder, dms lb. .24 .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb 1.10 - —
90% bbls. works lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .80 - .83
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .32 - —
cases, c.l., mines lb. .32½- —
Oxide, bgs., c.l., frt. alld lb. .30 - —
l.c.l., frt. alld lb. .31 - —
Trichloride, pails, works lb. .34 - .36
solution, cbys lb. .33¼- .34
Sulphide 62-64%, bgs. frt. alld., dlvd lb. .24 - .24½
Antimony-potassium tartrate (see Tartar emetic)
Antipyrene USP, dms lb 2.35 2.45
Apomorphine, USP, bots. oz. 23.20 23.70
Archil extract bbls lb No stocks.
Areca nuts, powd., bbls lb. .18 - .19
Arecoline hydrobromide, NF bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, dms. kilo. 70.00 - 80.00
Argols, min. 50%, bgs., shipment ports per 100 kilos (100% purity) 17.00 - —
Arnica, flowers, bls lb. .45 - .50
root, bls lb 1.45 — —
Arrowroot, powd., bgs lb. .14 - .16

Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - —
White, powd., bbls., c.l., dlvd lb. .06 - —
l.c.l., dlvd lb. .07 - .08
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 940.00 - 960.00
No. 2, c.l. (20 tons), mines ton 485.00 - 492.00
Run-of-mine, c.l (20 tons), mines ton. 400.00 - —
fiber, 3K, c.l. (20 tons) mines ton. 313.00 - —
3R, c.l. (20 tons), mines ton. 267.00 - —
3T, c.l. (20 tons), mines ton 249.50 - —
3Z, c.l. (20 tons), mines ton. 231.00 - —
4K, c.l. (20 tons), mines ton 124.50 - —
4M, c.l. (20 tons) mines ton. 124.00 - —
4T, c.l. (20 tons) mines ton. 111.50 - 141.00
4Z, c.l. (20 tons), mines ton. 111.50 - —
5D, c.l. (20 tons), mines ton 88.00 - —
5K, c.l. (20 tons), mines ton 88.00 - —
5M, c.l. (20 tons), mines ton 84.00 - —
5R, c.l. (20 tons), mines ton 78.50 - 79.00
6D, c.l. (30 tons) mines ton 58.00 - 59.00
7D, c.l. 30 tons), mines ton 52.00 - 52.50
7F, c.l. (30 tons) mines ton 49.00 - 49.50
7H, c.l. (30 tons), mines ton 41.50 - 42.00
7K, c.l. (30 tons), mines ton. 35.00 - 35.50
7M, c.l. (30 tons), mines ton. 30.50 - 31.00
7R, c.l. (30 tons), mines ton 29.50 - 30.00
7T, c.l. (30 tons), mines ton. 28.00 - 28.50
7RF, c.l. (30 tons), mines ton. 30.50 - 31.00
7TF, c.l (30 tons), mines ton. 30.50 - 31.00
8S, c.l (30 tons), mines ton. 19.00 - 27.00

Prices quoted above are in U. S. funds. Add $3 per ton for l.c.l. lots

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal .09½- .10

Asphaltum, gilsonite, brilliant black, selects, 270°-295° F fusing point, c.l., bgs., f.o.b. Colo. mines ton. 37.00 - —
seconds, 300°-390° F, fusing point not uniform, c.l., bgs., Colo. mines ton. 34.00 - —
jet, c.l., bgs., Colo. mines ton. 34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Steam-rfd., less than 80 penetration, tanks tankwagon refinery ton. 22.00 - —
80-300 penetration tanks, tank-wagon, refinery ton. 21.00 - —
Atropine, USP, bots oz. 9.75 - 10.00
Sulphate, USP, bots oz. 5.75 - 6.35

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.38 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .45
tree bark, bgs lb. .40 - .45
Barbital USP, dms lb 4.50 —
Sodium, USP, dms lb 4.77 —
Barium carbonate precip., bgs., 10 tons and up, works ton. 80.00 - 85.00
smaller lots, works ton. 90.00 - 95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals bgs., c.l., works. ton. 100.00 - —
l.c.l., works ton. 110.00 - —
Chromate, ngs. frt. equald lb .31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots lb. 6.14 - —
Monoxide (see Oxide)
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l. works lb 13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l. works lb 11½ - —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .39 - —
smaller lots lb. .40 - .41
Sulphate tech (see Barytes and Blanc fixe)
X-ray, bbls lb .13 - .13½
Sulphide dms., c.l., works ton. 55.00 - —
l.c.l., works ton. 70.00 - —
Barium-potassium chromate, dms. c.l., frt alld lb .20 - —
l.c.l. works lb 21 - —
tech., bgs. c.l., works, frt. equald ton. 90.00 - —
l.c.l. works. ton. 100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 - 12.50
Barytes, water-grd. paper bgs., c.l. St. Louis ton. 37.60 - 37.85
ex whse., N. Y. ton. 53.45 - 61.75
Southern off-color, bgs. mines ton 19.00 —
95 75% bgs. mines ton. 20.00 —
Bauxite, bulk, mines ton 8.50 - 10.00
Bay leaves (see Laurel leaves)
Belladonna leaf, bls lb. .50 - .55
Root, bls. lb. .40 - .41
Bentonite, 200 mesh, bgs. works ton 12.00 —
Benzaldehyde, NF, dms lb. .70 - —
tech., cbys., dms lb. .47 - .52
Benzal chloride, cbys., works lb. .22 - .23½
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .02 - —
l.c.l., works, unit lb. .0210- —
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02¾- —
l.c.l., dlvd., gamma unit lb. .0295- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .03¼- —
l.c.l., dlvd., gamma unit lb. .0335- —
Benzidine base, bbls lb 1.02 —
Hydrochloride, bbls., frt. alld lb. .85 - —
Benzocaine, dms. lb. 3.50 - 3.62
Benzol, pure, nitration, tanks, works, Bethlehem, Pa gal. .31 - —
Birmingham district gal. .30 - —
Chicago district gal. .30 - —
Cleveland district gal. .30 - —
Geneva, Utah gal. .30 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .32 - —
Lone Star, Texas gal. .32 - —
Lorain, Ohio gal. .30 - —
Minaqua, Colo gal. .30 - —
Philadelphia, Pa gal. .30 - —
Pittsburgh district gal. .30 - —
Sparrows Point, Md gal. .32 - —
Syracuse, N. Y. gal. .30 - —
Terre Haute, Ind. gal. .30 - —
Wyandotte, Mich. gal. .30 - —
Youngstown, Ohio gal. .30 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
l.c.l., same basis lb .20 .20½
high grade, ze. ngner. Cinnamate, cns. lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb. 35.00 - 36.25
Hydrochloride, bots lb. 35.00 - 36.25
Sulphate, cns lb. 35.00 - 36.25
Berberis root, bls lb .35 .40
Betagammapicoline, 5°, dms., c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
Betamethylnaphthalene, 32°C, m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
Benzoate, fib dms., works lb. 1.70 - —
Salicylate, dms lb 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb 1.25 - —
smaller lots lb 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls lb .45 - .50
Biotin, cryst gram 10.00 - —
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.17 - —
Oxide, anhydrous, dms lb. 4.47 - 4.85
Oxychloride, dms lb. 4.32 - 4.37
Phenolsulphonate, fib, dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib, dms lb. 3.15 - —
Subiodide, fib, dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP dms lb. 3.50 - —

Victor ammonium phosphates are used extensively by industry. Why not investigate the important properties of these chemicals which offer a wide variety of applications? You may effect a saving in your process or provide new advantages for your product.

Look over some of the regular uses listed below, and see which application or properties are interesting to you. We shall be glad to send you more information and samples at your request.

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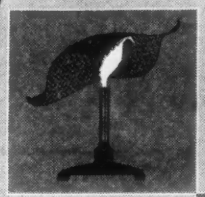
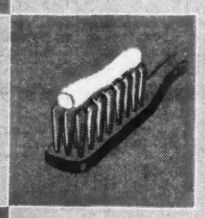
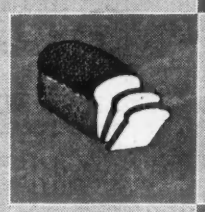
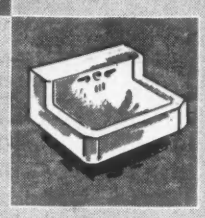

Flameproofing paper, wood, textiles, and vegetable fibers.

Chrome dyeing of wool.

Acid cleaners and rust-proofing metals.


Ammoniated dentifrices.


Manufacture of yeast, vinegar, yeast foods, bread improvers, alcohol.


Ingredient of glass and vitreous enamel.

Preventing afterglow in matches.
Plant nutrient solutions.
Catalyst for urea formaldehyde and melamine resins

VICTOR MONOAMMONIUM PHOSPHATE
$NH_4H_2PO_4$
A brilliant white crystalline or powdered material.
All grades meet U. S. Pure Food Law requirements.
Grades: Crystalline, powdered, and powdered F. F. (free-flowing)
Typical Analysis:

NH_3 (min.)	14.5%
P_2O_5	61.0%
pH (1% solution)	4.5

VICTOR DIAMMONIUM PHOSPHATE
$(NH_4)_2HPO_4$
A brilliant white crystalline material, mildly alkaline in reaction.
Meets all U. S. Pure Food Law requirements.
Grades: Crystalline, powdered F. F., and dentifrice.
Typical Analysis:

NH_3	25.3%
P_2O_5	53.5%
pH (1% solution)	8.0

Write for Quotations, Technical Data, or Experimental Samples.

VICTOR CHEMICAL WORKS
141 WEST JACKSON BOULEVARD • CHICAGO 4, ILLINOIS
A. R. Maas Chemical Co., Division
4570 Ardine Street, South Gate, California

Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb. .15 - —
cs., l.c.l., ship't point lb. .19 - .21
Bone, bgs., bbls. l.c.l. dlvd lb 14½ 22½
Carload price ½c per lb less. Deliveries to the Pacific Coast ex dock or whse. 1½c per lb higher
Carbon, channel, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .0950- —
bgs., ctns., l.c.l., dlvd. or whse lb. .1550- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high modulus, bgs., c.l., works, lb. .0550-
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing, bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .08 - —
very fine, bgs., c.l., works lb. .08 - —
l.c.l., dlvd., or whse lb. .1250- —
Charcoal (see C)
Graphite (see G)
Iron oxide synthetic bgs., c.l., works lb. .11 —
l.c.l., works lb. 11¼ —
Lamp, bgs., c.l., works lb. .077 - .33
Mineral bgs. works lb 0160 0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls lb. .30 .32
root, bls lb. .12 - .15
Black dyes (see Dyes)
Black haw, root bark, bls lb. 65 75
Tree bark, bls lb. .30 - .33
Black Indian hemp root, bls lb. .50 - .58
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.95.00 - —
direct process, bgs., c.l., works ton.90.00 - —
l.c.l., works ton.120.00 - —
N. Y., whse ton.120.00 -140.00
bbls., c.l., works ton.95.00 - —
l.c.l., works ton.120.00 -140.00
N. Y. whse ton.120.00 -140.00
pulp 66⅔% bbls c.l. works ton.69.00 - —
l.c.l., same basis ton 75 00 - —
Bleaching powder dms. c.l. works 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 6.00 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 - —
soluble, bgs., cs lb. .16 - .17
l.c.l. lb. .17 - .24
Bloodroot, bls lb. .50 - .63
Blue, alkali dry, bbls., dlvd. N of Penn and N.C., E of Miss R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner bbls. litho flushed, same basis lb 1.05 —
Celestial, bbls, same basis lb 15 16
Chinese, bbls., same basis lb. .42 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine)
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls, same basis lb 3.00 3 40
Iron (see Blue Chinese, Milori, Potash, Prussian and Soda)
Methyl violet toner bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .42 - —
Peacock, fugitive, 100% color strength, same basis lb 60 79
Permanent toner, green shade, molybdic bbls, same basis lb 3.75 —
tungstic lb 4.00 —
Potash, CP, bbls, same basis lb 51 —
Prussian, bbls., same basis lb. .42 - —
soluble, bbls., same basis lb. .42 - —
Soda, C.P., bronze, bbls., same basis lb. .42 - —
Ultramarine, cobalt type dry or pulp, bbls same basis lb. 25 .26½
jobbing type dry, bbls., same basis lb. .14 —
regular types dry or pulp, bbls., same basis lb. .20 - .30½
Victoria toner, molybdic bbls lb 3.75 —
Tungstic, bbls lb 3 75 —
Violet toner, molybdic, bbls, same basis lb 1.24 —
Tungstic, kgs, same basis lb 2.60 2.70
Blue dry colors dlvd. prices ½c higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .50 - .55
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bodle leaves, bls lb 08 12
Bone, raw, bulk, Chicago ton 75.00 —
junk, bulk, same basis ton 50 00 52.00
Meal, raw, 4½% ammon., 50% phos., bgs, E works ton 62.50 - —
Chicago, works ton 62 50 - —
steamed, feeding grade, 1% ammon., 60% phos., E works ton.60.00 - —
Chicago, works ton.60 00 - —
fertilizer grade, 3% ammon., 50% phos, bgs, E works ton 62.50 - —
Chicago works ton 62 50 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate, tribasic, precip)
Boneset, leaves, bls lb 15 16
Borage, flowers, bls lb 40 45
Borax, tech., anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse., N. Y. or Chi ton.120.25 - —
less ton lots, same basis, ton.125.25 - —
bulk, c.l., works ton.67.50 - —
crystals, 99½%, bgs., c.l., works, ton.63.75 - —
ton lots, ex whse., N. Y. or Chi ton.109.50 - —
less ton lots, same basis, ton.114.50 - —
bbls., c.l., works ton.88.25 - —
ton lots, ex whse., N. Y. or Chi ton.134.00 - —
less ton lots, same basis, ton.139.00 - —
bulk, c.l., works ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
ton lots, ex whse., N. Y. or Chi ton.83.50 - —
less ton lots, same basis, ton.88.50 - —
Borax, granular, 99½%, bbls., c.l., works ton.62.25 - —
ton lots, ex whse., N. Y. or Chi ton.106.00 - —
less ton lots, same basis, ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi ton.88.50 - —
less ton lots, same basis, ton.93.50 - —
bbls., c.l., works ton.67.25 - —
ton lots, ex whse., N. Y. or Chi ton.113.50 - —
less ton lots, same basis, ton.118.00 - —
bulk, c.l., works ton.38.25 - —
Borax packed in kgs. is $45.50 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs. c.l. works, frt alld or nearest whse. point lb. .15 .21
l.c.l., same basis lb. .16 23
Borneol, ens. lb 2.25 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic)
Brimstone (see Sulphur)
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 - —
1,000 lbs., same basis lb. .25 - —
single pkgs., same basis lb. .30 - —
dms., lead-lined, dlvd lb. .23 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 2.60
cbys. lb. 1.52 —
Bromstyrol, bots lb. 5.35 5.75
Bronze powder, aluminum (see A).
Gold, litho., ens., dms., works, lb. .50 - .60
moulding, ens. dms. works, lb. .80 - 1.00
printing ink, ens., dms., works lb. 93 1.10
radiator, cans, dms works lb 60 65
Broomtop, bls. lb. .30 - .33
Brown iron oxide synth. bgs., l.c.l., works lb. 12¼ —
Oxide, metallic, bgs., works lb. .3013- .3040
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼ .15¼
l.c.l., works lb. .04½ .15½
raw, paper bgs., c.l., works lb. .04½ .13
l.c.l., works lb. .04¾ .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼ .06½
l.c.l., bgs., works lb. .05½ .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va. N.Y lb. .06¼ .08¼
l.c.l., works lb. .06½ .08½
raw, American bgs., same basis, lb. .04¼ .06½
Turkey type bgs., same basis, lb. .06½ .06¾
Vandyke, bbls works lb .11 - —
Brucine, ens., 100 ozs oz .35 - —
Sulphate, NF, ens. 100 ozs oz. .30 - —
Bryonia root, bls lb 29 .25
Buchu leaves, bls lb. .40 - .42
Buckthorn bark, bls lb. .14 - .16
cut and sifted, bls lb. .20 - .22
Berries, bgs lb .80 90
Burdock, root, bls lb. .22 - .26
Butadiene, cyls., refinery lb. .21 - —
tanks, same basis lb. .11½ - —
Butane, indust., tanks, group 3 gal. .03½ - —
Butternut bark, bls lb. .25 .30
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .18¾ - .34¼
l.c.l., same basis lb. .19¾ - .33¼
tanks, same basis lb. .17 - .30½
synthetic, normal, dms., c.l., same basis lb. .16¼ - —
l.c.l., same basis lb. .17¼ - —
tanks, same basis lb. .14½ - —
secondary, dms. c.l., same basis lb. .12¾ - —
l.c.l., same basis lb. .13½ - —
tanks, same basis lb. .11½ - —
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works lb. .19¾ - —
l.c.l., works lb. .20¾ - —
tanks, works lb. .18 - —
Chloride, dms., c.l., works lb 41½ —
l.c.l., works lb. 42 —
Ether (see Ether, butyl).
Lactate, dms, c.l. frt alld E of Rockies lb 42½ —
l.c.l. same basis lb 43½ —
tanks, same basis lb 41 —
Laurate, dms. works lb 42 —
Methacryiate, normal, dms., less than truckload, works lb 60 —
Oleate, reid, dms, l.c.l. works lb 52 —
Phenylacetate, dms lb 2.00 2.25
Phthalate (see Dibutyl phthalate)
Stearate, dms, c.l. frt alld E of Rockies lb. .32½ —
l.c.l., same basis lb. .33½ —
Butylamine, dms., c.l., frt. alld lb. 51½ —
l.c.l. same basis lb. 52½ —
tanks, same basis lb. 49¾ —
Butyric ether (see Ethyl butyrate)

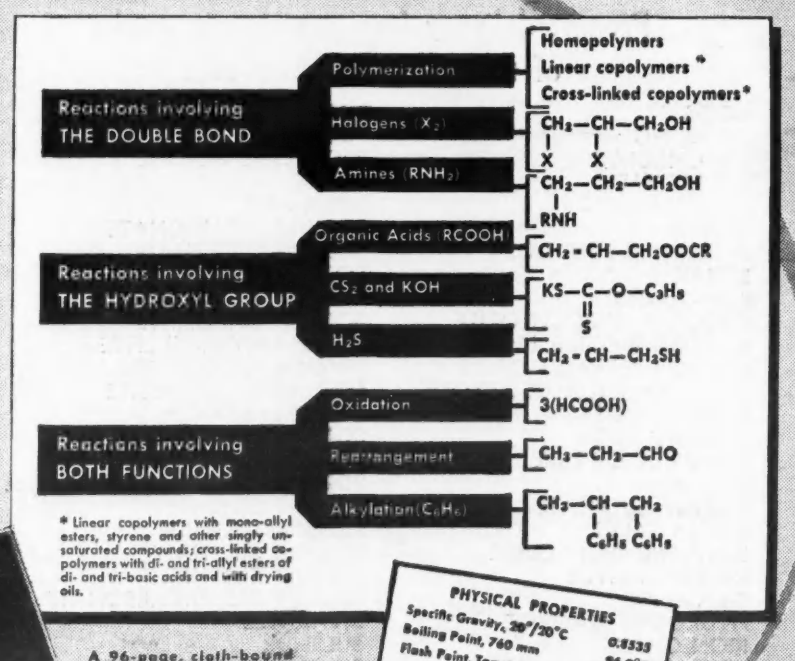
FROM SHELL CHEMICAL

ALLYL ALCOHOL

$CH_2=CH-CH_2OH$

...in tank cars and drums

Here are typical reactions of Allyl Alcohol that may suggest ways through which you can accomplish useful chemical syntheses:



* Linear copolymers with mono-allyl esters, styrene and other singly unsaturated compounds; cross-linked copolymers with di- and tri-allyl esters of di- and tri-basic acids and with drying oils.

PHYSICAL PROPERTIES

Specific Gravity, 20°/20°C	0.8535
Boiling Point, 760 mm	96.9°C
Flash Point, Tag open cup	90°F
Tag closed cup	72°F

A 96-page, cloth-bound book which summarizes the known properties and uses of Allyl Alcohol will be mailed upon receipt of your letterhead request. Samples of Allyl Alcohol for evaluation are available.

SHELL CHEMICAL CORPORATION

Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6

Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

Cacao Butter—Cellulose Acetate

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.40 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine natural USP cryst. ems. 100 lbs or more lb. 4.75 - —
anhydrous, dms. 100 lbs or more lb 5.00 - —
Synthetic, USP cryst., dms. 100 lbs or more lb 3.80 - —
anhydrous dms. 100 lbs or more lb 4.00 - —
Citrated USP dms. 100 lbs or more lb 2.60 - —
Hydrobromide bots lb 6.70 Nom.
Calabar beans, bgs., futures lb. .48 - .50
Calamine, USP, dms lb. .27 - .29
Calamus root, dom., bgs lb. .28 - .30
imported bleached bls lb 70 Nom.
peeled, bls lb 30 - .33
Calciferol, cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms. c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. .80 - 1.00
Carbide, standard generator size, dms., c.l. dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.25.00 - —
l.c.l., same basis ton.52.00 -82.00
liquor, same basis 40%, tank-cars ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
solid, 73-75% dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. 29½ .30
Cyanide, dms dlvd. E. of Rockies lb. .30 .50
Gluconate, aA, bbls., ems lb. 65 - 72
USP, bbls., dms lb. .58 65
Glycerophosphate, NF, fib. dms. lb. 1.85 - 2.00
Hydride, dms., works lb. .90 —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.25.25 -29.85
cns., cased (45 lbs.) same basis, cs.21.00 -23.00
Hypophosphite, ton lots or less, dms lb. .80 .83
Iodide, jars lb. 4.32 - —
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 .44
Calcium mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .25¼- —
Nitrate, tech., bbls., works lb. .10 - .12
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, dms lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 7.50
feed grade, bgs., 15 tons wks. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .0605- —
smaller lots, same basis lb. .0655- —
tribasic, bgs., c.l., works.100 lbs. 6.75 - —
l.c.l., works lb. 7.20 - 7.50
Phytate, bgs. works lb. .28 —
Resinate, precip. dms. frt. alld., works lb. .25¼- —
Silicate, hydrated, bgs. c.l. works lb. .06 - —
l.c.l., works lb. .06½- —
Stearate, precip. ctns., c.l., works lb. .37 - —
l.c.l., works lb. .38 - .39
Sulphate (see Gypsum).
Calendula flowers, bls lb. .55 - .80
Calomel, USP, fine powd. dms. lb 1.97 1.98
reg. powd., dms lb 1.82 —
Camphene, c.l., works, dms. incl 100 lbs.14.60 -15.60
l.c.l., same basis 100 lbs.14.90 -17.25
tanks, same basis 100 lbs.12.50 -13.50
chlorinated, 67-69% (see Toxaphene).
Camphor monobromated NF, dms. kgs lb 2.75 2.85
natural, powd., 100-lb. lots lb. .45 .55
tablets, 1-oz., ½-oz., cs lb. .85 .93
Camphor, synthetic, tech., bbls., 10 bbls. (1,500 lbs.) lb. .45½- —
smaller lots lb. .46 - .56
USP, gran., powd., bbls., 2,000-lb. lots lb. .50 - —
1,000-lb. lots lb. .51 - —
smaller lots lb. .52 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. .75 - .85
powd., bxs lb. .90 - 1.05
Russian, bgs. lb 3.85 - 3.90
powd. bxs. lb. 4.00 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper lb. 4.00 - 6.50
from African pepper lb. 5.75 6.75
Caramel coloring NF bbls gal. 1.05 1.20
Caraway seed, Dutch lb. .16 - .16¼
Carbazole, 97% steel dms., ton lots, works lb. 1.55 —
bbls., same basis lb. 1.65 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. 70 —
Methylisobutyl, dms., c.l., frt. alld. E lb. .14¼- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
Carbon bisulphide, 50-gal. dms. c.c., works, frt. alld to competitive points lb. .06¼ —
l.c.l. same basis lb. 07¼ —
5-gal dms. c.l. same basis lb. .08½ .08¾
l.c.l., same basis lb. .09½- —
tankcars, same basis lb. .0440- —
Dioxide, cyls lb. .06 .08
Tetrachloride, c.p., dms., works lb. .10 - .11
NF, cbys lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld lb. .09½- —
W. of Rockies, frt. alld. lb. .102 - —
tanks, E. of Rockies, frt. alld. lb. .07¼- .08¼
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal NF dms. 100-lb. lots, works lb 4.00 4.25
smaller lots, works lb 4.10 4.75
Cardamom fruit, bleached, bold, fancy, cs lb. 3.75 - 3.80
bold, cs. lb. 3.70 - 3.75
medium, cs lb. 3.40 - 3.45
decorticated, Alleppey, cs lb. 4.00 Nom.
Ceylon, cs. lb. 3.40 Nom.
Guatemala, cs lb. 3.95 - 4.00
Indian, cs lb. 3.65 - 3.70
Mangalore, cs lb. 3.65 - 3.70
green, Alleppey, bgs lb. 3.00 - 3.05
Ceylon, bgs lb. 3.20 - 3.25
seed (See Cardamom fruit, decorticated)
Carmine No 40 NF bulk, 100 lbs or more, dlvd lb 5.50 —
smaller lots, dlvd lb 5.65 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg 5.00 —
90% beta-10% alpha, ampuls 100 mg 2.00 - —
gram quantities gm 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .40 - —
dry powder 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb.25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli units. .18 - —
dms., works milli units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline in oil, 400,000 A units per gram, tins, works milli units. .24 —
Carvol bots lb 8.75 9.00
Cascara sagrada bark, bulk lb. .36 - .38
Case-hardening mixture, 30% gran. dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip, standard, bgs., 10,000 lbs. or more, ship't point lb. .36 - .37
premium, bgs., 10,000 lbs. or more, ship't point lb. .39½- .41¼
imp. acid-precip., ground 100 bgs. or more, ex-dock lb. .33¾- .34
rennet-precip., bgs., 10,000 lbs. or more, ex-dock lb. .35 - .36
Cashew nut, shell liq., treated, dms., c.l., f.o.b. Newark, N. J lb. .21 - —
ton lots same basis lb. .22¼ —
dm lo's same basis lb. 24¼ —
Cassia, rolls, Batavia, longstick, bls. lb. .25 - .26
broken, bls lb. .19 - .20
afloat, bls lb. .18 - .18½
shortstick, afloat, bls lb. .15 - .15½
China, Canton, Kwangsi, select, cs lb. .13½- .14
broken, bls lb. .12½- .13
afloat lb. .11½- .12
China, Honan, Yunnan, scraped, bls lb. .15½- .16
broken, bls lb. .14½- .15
unscraped, bls lb. .14 - .15
broken, bls lb. .14 - .14½
Saigon, broken, bls lb. .32 - .33
afloat lb. .30 - —
medium, bls lb. .40 - .41
October-November shipment lb. .35 - —
thin, bls lb. .50 Nom.
Cassia fistula, hskts lb 30 .35
Castor beans, bgs., f.o.b. Brazilian ports long ton.180.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.37.50 - —
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns. lb. 9.00 9.25
Catechol, CP cryst. fib. dms., works lb. 2.00 - —
resublimed dms. works lb 4.00 - —
Catnip leaves, bls lb. .75 - .80
Celery seed, French, bgs., afloat lb. .36 - .37
Indian, bgs lb. .25½- .26
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt alld on 100 lbs or more lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l. same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations dms. l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms. c.l., same basis lb. .47 - —
l.c.l. same basis lb. .49 .54
extrusion compounds, translucent metallic pearls special black, dms., c.l., same basis lb 42 —
l.c.l. same basis lb. .44 .49

MERCHANTS
CHEMICAL COMPANY
INC.

60 EAST 42nd STREET NEW YORK 17, N. Y.

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Prompt delivery from warehouse stocks
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BORAX
BORIC ACID
CALCIUM HYPOCHLORITE
CARBON DIOXIDE (SOLID)
CARBON TETRACHLORIDE
CARBOXYMETHYLCELLULOSE
CAUSTIC POTASH
CAUSTIC SODA
CHLORIDE OF LIME
CHLORINE
COPPER SULPHATE
EPSOM SALTS
ETHYLENE DICHLORIDE
FORMALDEHYDE
GLYCERINE
HYDROGEN PEROXIDE
IRON CHROMITE
MURIATE OF POTASH
NAPHTHALENE
ORTHODICHLOROBENZENE
PARADICHLOROBENZENE
PERCHLORETHYLENE
POTASSIUM BICHROMATE
POTASSIUM PERMANGANATE
PROPYLENE GLYCOL
SOAPS
SODA ASH
SODIUM BICARBONATE
SODIUM BISULPHATE
SODIUM BISULPHITE
SODIUM BICHROMATE
SODIUM CHROMATE
SODIUM HYDROSULFITE
SODIUM HYPOSULFITE
SODIUM METASILICATE
SODIUM NITRATE
SODIUM ORTHOSILICATE
SODIUM PERBORATE
SODIUM PHOSPHATES, All types
SODIUM SILICATE
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TRISODIUM PHOSPHATE
WETTING AGENTS
ZINC SULPHATE

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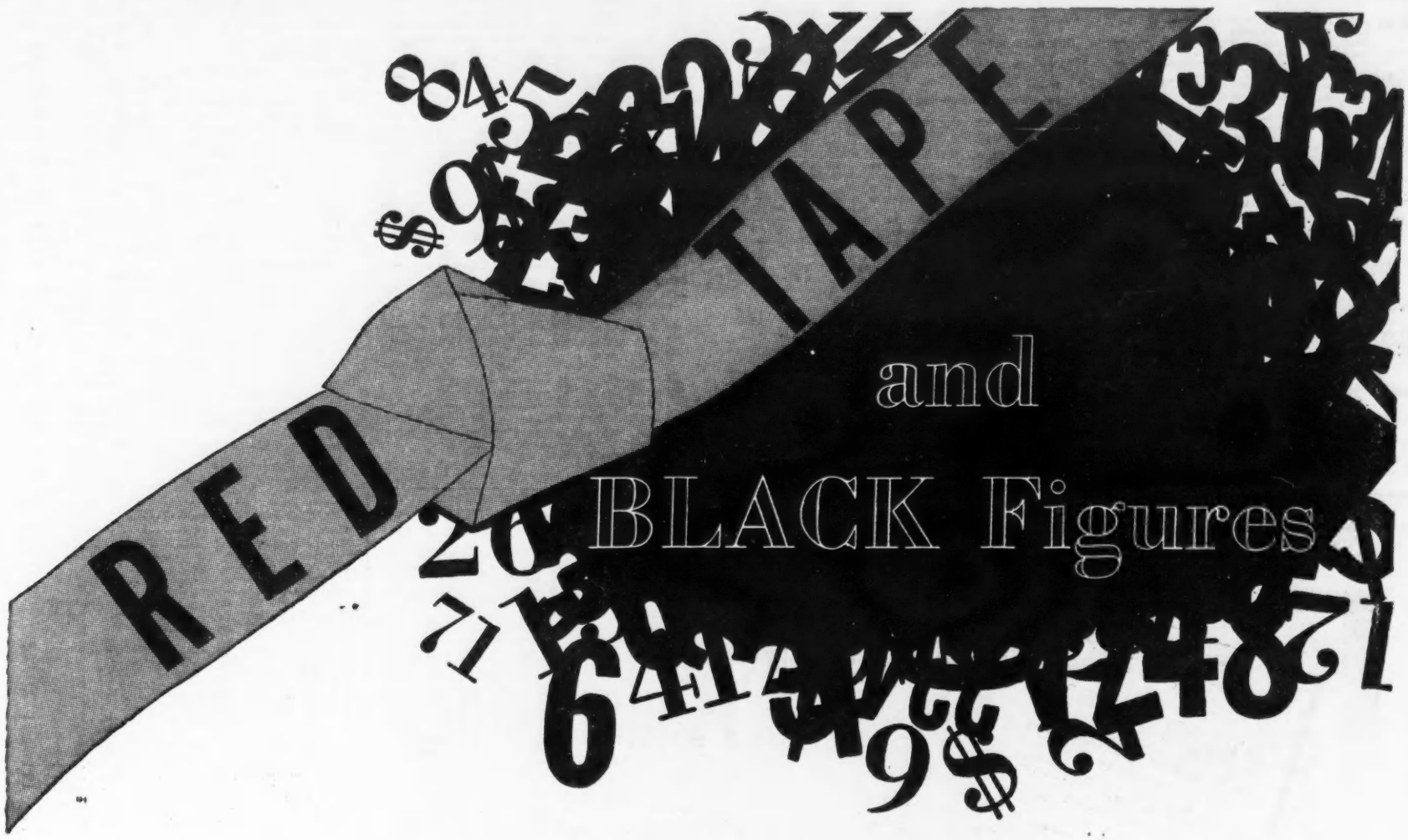


The other Monday morning we had our usual weekly powwow – all departmental heads present or accounted for. Of course the usual snake-in-the-grass had to raise its head just when things were going nicely – how to move orders faster through the plant. And of course, as usual, it was "lab and plant control" that got the blame. So, once again we rehearsed step by step the average twenty-odd (?) controls entering into the production of average products.

All were carefully studied. Could any of them be dropped? Or doubled up? Could re-routing save time? Then the subject of special controls for special products was hashed and re-hashed.

"In fact" said Mike, "Control 124-G-8 should be transferred from Special Group Control to Regular Group Control."

He was greeted by a chorus of boos. Why add more red tape? It's red tape that's tying us in knots!

Then from the back of the meeting a lone voice – "Yeah, but our red tape pays off in black figures for the customer!"

And there you have it! Sure control is red tape – but not *needless* red tape! Essentially good pharmaceutical manufacture must be control and when you start to skim it, the cream is off the milk!

Control is red tape, but red tape is insurance – it is safety. And its end result is the *better* product that started in this cradle of creative formulation. Your order may be a little slower "coming through," but the red tape will pay off in black figures for you in the long run.

GEORGE MILLER
PRESIDENT

P. S. I'll tell you what we have *eliminated successfully – production worries for a lot of companies. Now they're concentrating 100 per cent on sales, and* are they doing it!

Strong Cobb & Co. Inc.
2654 Lisbon Road, Cleveland 4, Ohio

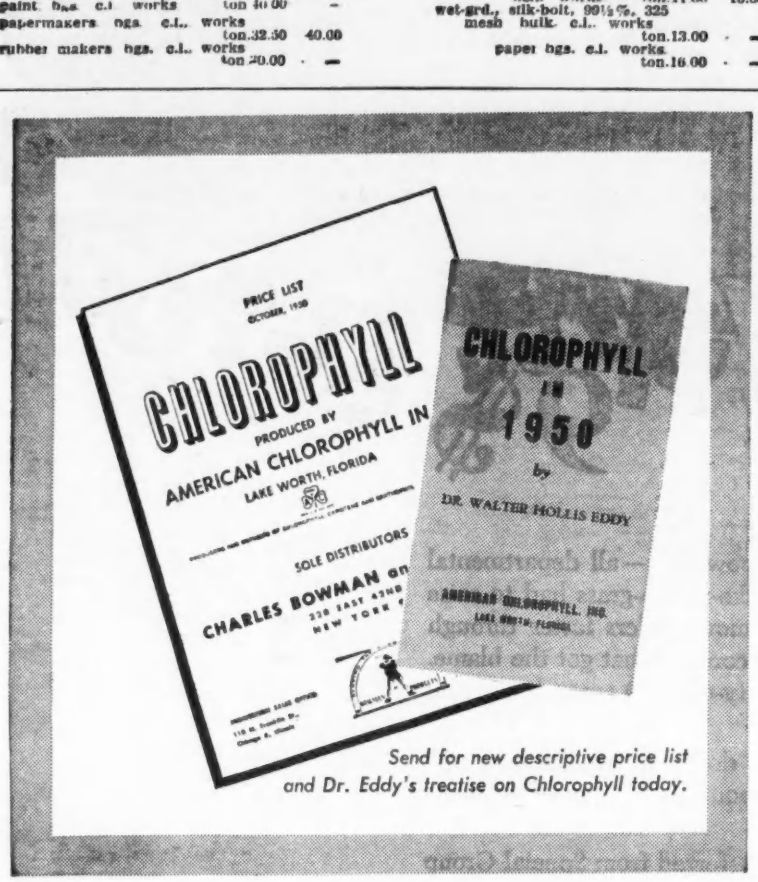
Cellulose Acetate-Butyrate—Coriander Seed

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .54 - —
less than 500 lbs., works, lb. .55 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
25.5% butyryl content, ctns., 500 lbs. and over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
37% butyryl content, ctns., 500 lbs and over, works lb. .52 - .55
less than 500 lbs., works lb. .53 - .56
48% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
Molding composition plain colors, pearls, transparents, special black dms l.c.l. frt alld. lb. .56 .61
regular black dms l.c.l. same basis lb .44 .48
variegations dms. c.l., same basis lb. .61 - .68
Triacetate flake ctns works frt allwd on 100 lbs or more lb. .40 - —
Cerium nydrate dms. works lb 1.25 - —
Oxalate NF bbls. bgs. works lb 70 - .72
Oxide optical grade, bgs. under 100 lbs., works lb 2.25 —
kgs. 100-lb lots works lb 1.85 —
Chalk precip cosmetic dentifrice, drugs, bgs., c.l., works lb. .0295- .033
l.c.l., ex whse lb. .0395- .05
paint bgs. c.l. works ton 40.00 —
papermakers bgs. c.l., works ton 32.50 40.00
rubber makers bgs. c.l., works ton 20.00 - —

Chamomile flowers, Hungarian, cs lb. .85 - 1.00
Roman, bls. lb. .80 - .85
Charcoal, activated USP fib. dms., c.l., works lb. .25 .32
5-ton lots, works lb .26½ .32½
smaller lots, works lb 27 .50
Bone, NF, bbls lb 22 - —
Hardwood, briquets, bgs., c.l., works ton 51.80 - —
bulk, c.l., works ton 49.80 - —
granular, bgs. incl. c.l. works ton 46.80 .59.00
lump, bgs., extra, returnable c.l., works ton 41.80 45.50
bulk, c.l., works ton 38.80 43.50
Pinewood gran. powd., bgs. c.l. works, South ton 40.00 - —
l.c.l., works ton 40.00 .50.00
lump bgs. c.l. works South ton 40.00 —
l.c.l., works, South ton 40.00 .50.00
bulk, c.l., works South ton 30.00 —
Chestnut extract 25% tannin, bbls., c.l., works lb. .0450- —
l.c.l., works lb. .0485- —
tanks, works lb. .0375- —
powd., 60% tannin, bgs., extra, c.l., works lb. .0972- —
l.c.l., works lb. .1042- .1142
China clay, dom. dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton 12.50 13.00
l.c.l., works ton 13.50 14.00
bulk, c.l. works ton 9.50 10.00
200 mesh bgs., c.l., works ton 10.00 12.00
l.c.l. works ton 11.00 16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk c.l., works ton 13.00 - —
paper bgs. c.l. works ton 16.00 - —

China clay, imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me., gross ton 19.00 -40.00
powd. bgs. c.l. ex dock, net ton 35.00 45.00
l.c.l. ex whse net ton 45.00 60.00
Chloral, tech., 94% min. dms., c.l., works lb. .23 - —
l.c.l., works lb .24 - —
tanks, works lb .21 - —
Hydrate, USP, jars lb 1.05 1.10
Chloramine T NF bbls. works lb 75 1.00
Chlordane, agricultural, dms. pails, c.l. works lb. .65 - —
l.c.l. works lb 70 75
refined, dms., c.l., works lb. 75 —
l.c.l., works lb. .80 85
Chlorinated paraffin dms. frt alld. lb. .12½- .13¼
Rubber standard ctns. c.l. works lb 42 - —
l.c.l. works lb 43 —
Chlorine, liquid, cyls., c.l., N.Y. lb. .08¾- —
l.c.l., N.Y., stock points lb. .10¼- —
tanks, single units, works, frt. equald 100 lbs. 2.70 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.20 - —
2 cars, same basis 100 lbs. 3.80 - —
1 car, same basis 100 lbs. 4.40 - —
Chloroform, tech. dms., c.l., dlvd. E lb. .18 - .20
l.c.l., same basis lb. .20 - .22
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .35
Chlorophenol-2 Toluidine bbls lb 1.38 —
Chlorophyll, 4% oil soluble, water soluble, cosmetic and pharmaceutical, pails, tins lb. 3.75 - 4.25

Chloropicrin, com'l, bots lb. 1.50 - —
cyls., 180 lbs., frt. alld lb. .95 - —
100 lbs., same basis lb. .97 - —
25 lbs., same basis lb. 1.22 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb pkg. lb 9.00 —
1-lb pkg. lb 9.50 —
Choline bitartrate fib dms., frt adjusted lb 2.30 2.55
Chloride, fib dms., same basis lb 2.30 2.55
Dihydrogen citrate fib dms. same basis lb 2.30 2.55
Chromium acetate powd 72% Cr hbls works lb No stocks
solut., 7½% bbls., works lb. .08½- —
cbys lb. .10¼- —
8½% bbls., works lb. .09 - —
cbys lb. .10¾- —
Fluoride bbls., works lb 44½ —
Green see Green chromic)
Oxide see Green chromium oxide)
Oleate solid, bbls lb 49 - —
Trioxide, USP, bots lb 82 —
Yellow (see Yellow chrome)
Chrysarobin USP, bots lb 7.65 9.29
Cinchona bark NF red, quill, 20-inch, cs lb. 1.26 Nom.
broken bgs lb 40 .45
yellow broken, bgs lb. .32 .35
Cinchonidine cryst. cns. 100 ozs. oz. 71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine cryst. cns. 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .30½ 42
Cinchophen NF heavy density, dms., frt. adjusted lb. 3.70 4.05
Standard density dms. same basis lb. 3.50 3.85
Cinchophen-sodium dms. frt. adjusted lb 4.50 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, NF, cns., dms lb. 1.00 - 1.26
Cinnamon, Ceylon, No. 2, bls lb. .33 - .34
Citral, bots. cns lb. 5.50 - 6.50
Citronellal, bots., dms lb. 4.35 - 7.75
Citronellol, bots., dms lb. 3.40 - 3.50
Civet, bots oz 4.00 13.00
artificial bots lb. 13.75 15.00
Clove, Madagascar, bls lb. .25 - .25½
Zanzibar, bls lb. .24¾- .25
Clover tops, red, dom., bgs lb. .95 - 1.00
imported ngs lb No stocks
CMC, purified, high vis., ctns., 20,000 lbs or over works, frt alld lb. .57 - —
smaller lots, same basis lb. .59 .69
low and medium vis., ctns., 20,000 lbs or over, works, frt alld lb. .54 - —
smaller lots same basis lb. .56 - .66
tech. low and medium vis. dms., c.l., works, frt. alld lb. .41 - —
l.c.l. works lb. .43 - —
Coaltar, coal gas, water-gas, crude, resale dms c.l. ex-whse, gal. .24 - —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
refd resale bbls c.l. ex-whse gal. .25 - —
l.c.l., ex-whse gal. .27 - —
tanks, ex-whse gal. .15 - —
Cobalt acetate bbls. dlvd lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works lb. .91¼- —
Hydrate, 60.3% Co bbls lb 2.13 —
Linoleate, liquid, 6% Co, dms lb. .48¾- —
fused, 8½% Co, dms lb. .53 - —
Metal 97.99% kgs ex-whs lb. 1.80 —
under 100 lbs ex whse lb 1.82 1.87
Naphthenate, liq., 6% Co, dms lb. .38¾- —
Nitrate, 20.4% Co, bbls lb. .78¾- —
Oxide black kgs lb 1.38 —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .23¼- —
Sulphate, bgs. 21% Co, kgs lb 1.05 - —
Cocaine USP cns. 100-oz oz 15.00 —
Hydrochloride cns. 100-oz lots oz 11.75 - —
Cochineal, gray bgs lb 67 - .68
silver Teneriffe bgs lb 69 - .70
Cocillana bark bgs lb 16 17
Cocoa butter, bgs lb. .70 - .71½
Codeine NF cns. 100 ozs oz 13.25 - —
Hydrochloride, cns. 100 ozs oz. 11.85 - —
Phosphate, USP cns., 100 ozs oz. 10.25 - —
Sulphate USP cns. 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver)
Cohosh, black root, bls lb .20 - .25
Blue, root, bls lb. .17 - .18
Colchicine, USP bots., cns oz 79.00 -85.00
Colchicum root bls lb .60 .70
Seed, bgs lb. 1.10 - 1.20
Collodion, USP, dms lb. .26 - —
Flexible, USP, dms lb. .27½- —
Colocynth, pulp, bls lb. .20 - .22
Colombo root, bls lb. .13 .15
Coltsfoot leaves, bgs lb .30 .35
Condurango bark, bgs lb. .20 - .24
Copaiba balsam, cns., dms lb. .85 - 1.15
Copper acetate cupric bbls. works lb. .28 —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb. .22 - .23½
Chloride, anhyd., bbls., works lb. .32½- —
crystals, bbls., works lb. .21¾- —
Citrate, USP 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls lb. .523 - .543
Gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Metal, electrolytic, dlvd lb. .24½- —
Naphthenate liquid 8% Cu, dms., frt. alld lb. .24¾- —
Nitrate tech. cryst. bbls. works. lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .35 - .38
red, com'l, bbls., works, c.l. lb. .37 - .39
l.c.l. lb. .43 - .45
Oxychloride-sulphate, bgs., frt. alld lb. 24¼ Nom.
Quinolate, fib. dms lb 3.50 - —
Resinate, precip., dms., frt, alld. lb. .25¼- —
Stearate, bgs., works lb. .44½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.95 - 9.95
l.c.l. 100 lbs. 9.95 -10.95
CP, cryst., gran., bbls., works lb. .1470- —
monohydrated, 35%, dms., c.l., works 100 lbs. 14.95 - —
tribasic, dealers, bgs., c.l., works, frt. alld lb. .2435- —
l.c.l., works .2585- —
USP, gran., cryst., dms lb. .1470- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton 20.00 - —
bulk, c.l., works ton 14.00 - —
Copra, c.i.f. Atlantic, Gulf ports ton 217.50 - —
Pacific ports ton 212.50 - —
Coriander seed, Argentine, bgs lb. .16 - .16½
afloat, bgs lb. .15½- —
Italian, bgs lb. No stocks.
Moroccan, bgs lb. .23 - .24



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Yeast, Primary Grown and Brewers Type.

Vitamin D_2 and D_3

CHARLES BOWMAN & CO.

220 East 42nd Street, New York 17, N. Y.
110 North Franklin Street, Chicago 6, Illinois
W. Glenn Wunderly, 170 E. California Street, Pasadena 1, Calif.

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.29 - —
bbls., c.l., same basis..100 lbs. 6.35 - —
Syrup, 42°, bbls., c.l.....100 lbs. 6.57 - —
l.c.l. .....100 lbs. 6.72 - —
Cornsilk, bls..... lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.63 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls..... lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, bulk, Memphis..ton.68.50 - —
Coumarin, NF, cns.....lb. 3.00 - 3.25
powd., cans.....lb. 3.25 - 3.50
Cramp bark, NF, bls.....lb. 1.10 - 1.20
Cranesbill root, bls.....lb. .55 - .60
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship .lb. .31 - —
smaller lots, bbls., kgs. lb. .31½- .32½
Creosote, coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
refined, dms., c.l., works.gal. .35 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .27 - —
solution, 80%, tanks, works.gal. .188 - —
NF, beechwood, bots., cbys....lb. 1.25 - —
hardwood, bots., cbys.....lb. .95 - —
Pinewood, dms ...gal. .31 - .33
Carbonate, NF, bots., cbys....lb. 2.70 - —
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .138 - —
l.c.l., same basis.....lb. .141 - —
ret. dms., c.l., same basis. lb. .1375- —
l.c.l., same basis.....lb. .1410- —
tanks, same basis.....lb. .125 - —
USP, non-ret. dms., c.l., same basis lb. .148 - —
l.c.l., same basis.....lb. .151 - —
ret. dms., c.l., same basis....lb. .145 - —
l.c.l., same basis.....lb. .148 - —
tanks, same basis.....lb. .135 - —
Crotonaldehyde, 91-93%, dms., c.l works. lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.13.75 - —
bbls., l.c.l., works 100 lbs.14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs.....lb. .55 - .60
powd., cs.....lb. .65 - .70
Culvers root, bbls.....lb. .50 - .60
Cumene dms., c.l.....lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....gal. .53 - .56
Cumin seed, Iranian, bgs.....lb. .22½- .23
Morocco, bgs.....lb. No stocks.
Syrian, bgs.....lb. .22½- .23
Cutch, extract, 55% tannin, bgs., ex dock..lb. .06¾- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton...46.50 - —
ton.46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.25 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
l.c.l., works .....lb. .11¾- —
tanks, works .....lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works. lb. .31½- —
l.c.l., works .....lb. .33 - —
tanks, works .....lb. .30 - —
Cyclohexanone, tech., dms., c.l. lb. .26½- .30
l.c.l., works.....lb. .27 - .31
tanks, works.....lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .37½-
l.c.l., works.....lb. .38½- —
tanks, works.....lb. .36½- —
Cyclopropane, USP 2 lb. cyls, works, cyl.40.00 - —
6 oz. cyls., works..... cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots .....gal. .31 - —
200-gal. lots .....gal. .30 - —

D

2, 4-D bbls, c.l., works frt equald. lb. .43 - .48
l.c.l., same basis..... lb. .48 - .60
Isopropyl ester, dms., c.l., works.. lb. .54 - —
l.c.l., works.....lb. .59 - .66
Damiana leaves, bls.....lb. .35 - .37
Dandelion root, bls.....lb. .55 - .60
DDD, tech. fine grd. fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
lump, fib, dms., c.l., works....lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works, frt. equald lb. .34 - .36
smaller lots, same basis lb. .35 - .38
Decanol, normal, tech., dms., c.l., dlvd..lb. .34½- —
l.c.l., dlvd. ..... lb. .36½- —
tanks, dlvd. ..... lb. .32 - —
Deertongue leaves, bls.....lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P. paper bgs., works ton.45.00 - —
Degras, common, bbls..... lb. .11 - .12
Neutral, less 2% ffa, bbls....lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone powd lb. .42 - —
Desoxyephedrine hydrochloride, dextro, dms lb.30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l..100 lbs. 7.80 - —
l.c.l. .....100 lbs. 7.95 - —
Chicago, c.l.....100 lbs. 7.15 - —
canary, paper bgs., c.l..100 lbs. 7.54 - —
l.c.l. .....100 lbs. 7.69 - —
Chicago, c.l. .....100 lbs. 6.89 - —
dark, paper bgs., c.l..100 lbs. 7.64 - —
l.c.l. .....100 lbs. 7.79 - —
Chicago, c.l. .....100 lbs. 6.99 - —
white, paper bgs., c.l...100 lbs. 7.39 - —
l.c.l. .....100 lbs. 7.54 - —
Chicago, c.l. .....100 lbs. 6.74 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, domestic bgs.....lb. .09½- .10
imported, bgs.....lb. .08½- .09
Dextrose, USP dms .....lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots.....lb. 5.00 - 5.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots. works lb 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E....lb. No prices.
l.c.l., dlvd. E.....lb. No prices.
tanks, dlvd. E.....lb. No prices.

Dianisidin, dms.....lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast..ton.50.00 -52.00
California .....ton.38.00 -40.00
l.c.l., ex whse.....ton.80.00 - —
purified, bgs., c.l., Atl. coast. ton.62.00 - —
California .....ton.50.00 - —
l.c.l., ex whse.....ton.90.00 - —
imported, Algerian, bgs., c.l., Atlantic coast .....ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l., Atlantic coast....lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .75¾- —
l.c.l., works .....lb. .76¾- —
tanks, works .....lb. .74 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .33½- .36¾
l.c.l., dlvd.....lb. .34½- .37¾
tanks, dlvd.....lb. .32 - .35
Sebacate, CP, dms., c.l., works..lb. .69¼- —
l.c.l., works.....lb. .70¼- —
tech., dms., c.l., works.....lb. .67¼- —
l.c.l., works.....lb. .68¼- —
Tartrate, dms., works, frt. alld.lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½- —
l.c.l., frt. alld .....lb. .52½- —
tanks, frt. alld .....lb. .49¾- —
Dicapryl phthalate, dms., c.l., dlvd. lb. .39¾- —
l.c.l., dlvd.....lb. .40¾- —
tanks, dlvd.....lb. .38 - —
Sebacate, dms., c.l., works....lb. .63¼- —
l.c.l., works .....lb. .64¼- —
tanks, works .....lb. .61½- —
Dichloroanilin, dms., works.....lb. .75 .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroetnane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works .....lb. .055 - —
tanks, works.....lb. .04 - —

Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald ..... lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .41¼- —
l.c.l., works.....lb. .42 - —
tanks, works .....lb. .40 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .47 - —
l.c.l., same basis.....lb. .48 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .28¼- —
l.c.l., same basis.....lb. .29¼- —
tanks, same basis.....lb. .26½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾- —
l.c.l., same basis.....lb. .37¾- —
tanks, same basis .....lb. 35 - —
Maleate, dms., c.l., dlvd.....lb. .50 - —
l.c.l., dlvd.....lb. .51 - —
tanks, dlvd.....lb. .48½- —
Oxalate, dms., c.l., frt. alld....lb. .34¾- —
l.c.l., same basis.....lb. .35¾- —
tanks, same basis .....lb. .33 - —
Phthalate, dms., c.l., dlvd.....lb. .29¾- —
l.c.l., dlvd.....lb. .30¾- —
tanks, dlvd .....lb. .28 - —
Sulphate, dms., c.l., works....lb. .17¼- —
l.c.l., works.....lb. .17¾- —
tanks, works.....lb. .15½- —
Diethylamine, dms., c.l., frt. alld. E lb. .57 - —
l.c.l., same basis.....lb. .58 - —
tanks, same basis.....lb. .55¼- —
Diethylanilin, dms. .....lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .19¼- —
l.c.l., same basis.....lb. .20¼- —
tanks, same basis.....lb. .17½- —
Boriborate, dms., l.c.l.....lb. .28 - —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works ..... lb. .47 - —

Diethyleneglycol monobutylether, dms., c.l., works.....lb. .25¾- —
l.c.l., works.....lb. .26¾- —
tanks, works.....lb. .24 - —
Monobutylether acetate, dms., c.l., works. lb. .27¼- —
l.c.l., works.....lb. .27¾- —
Monoethylether, dms., c.l., works. lb. .19¼- —
l.c.l., works.....lb. .19¾- —
tanks, works.....lb. .17½- —
Monoethylether, acetate, dms., c.l., works lb. .25¼- —
l.c.l., works.....lb. .25¾- —
Monomethylether, dms., c.l., works. lb. .23¼- —
l.c.l., works.....lb. .23¾- —
tanks, works.....lb. .21½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works .....lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½- —
l.c.l. same basis lb. .62½- —
tanks, same basis lb. .59¾- —
Diethylstilbestrol, USP, bots..kilo.240.00 -300.00
Digitalin, cryst., bots .....gram.12.50 -18.00
powd., bots .....oz.25.00 -30.00
Digitalis leaves, dms..... lb. .85 1.25
Digitoxin, USP, bots.....gram. 8.00 - —
Diglycol, laurate, dms.....lb. No prices.
Oleate, dms. .....lb. .38 - —
Stearate, dms. .....lb. No prices.
Dihexyl sebacate, dms., c.l., works. lb. .51¾- —
l.c.l., works.....lb. .52¾- —
tanks, works.....lb. .50 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .60 - —
wholesalers, vials .....gram. .48 - —

Corn Sugar—Dihydrostreptomycin Hydrochloride

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TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)

MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y. TRIBUNE TOWER, CHICAGO, ILLINOIS

Dihydroxydichlorodiphenylmethane—Dyes, Coaltar, General Use

Dihydroxydichlorodiphenylmethane, dms	lb	.95	1.00
smaller containers	lb	1.05	1.40
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.15¼	—
l.c.l., dlvd	lb.	.16¼	—
tanks, dlvd	lb.	.13½	—
Di-isobutylene, dms., c.l., works	lb.	.09¼	—
l.c.l., works	lb.	.10	—
tanks, works	lb.	.07½	—
Di-isooctyl phthalate dms. c.l. dlvd.	lb.	.39¾	—
l.c.l., same basis	lb.	.40¾	—
tanks, same basis	lb.	.38	—
Di-isopropylamine dms., c.l., frt. alld.	lb.	.49¾	—
l.c.l., same basis	lb.	.50¾	—
tanks, same basis	lb.	.48	—
Dillseed, dewhiskered, bgs	lb.	.13	.13½
Dimethyl chloroacetal, dms., c.l., works	lb.	.53	—
l.c.l., works	lb.	.55	—
tanks, works	lb.	.51	—
Phthalate, dms., c.l., dlvd	lb.	.25¾	—
l.c.l., dlvd	lb.	.26¾	—
tanks, dlvd	lb.	.24	—
Sebacate, dms., c.l., works	lb.	.78¾	—
l.c.l., works	lb.	.79¾	—
tanks, works	lb.	.77	—
Sulphate 55-gal. ret. dms., c.l., works	lb.	13	—
l.c.l., works	lb.	16	—
10-gal. ret dms., works	lb.	16½	—
Dimethylamine, 25%-40% dms., ci. works, basis 100%	lb.	.37	.38
l.c.l., works, basis 100%	lb.	.37½	.38½
tanks, works, basis 100%	lb.	.32	—
Dimethylanilin, dms., c.l., frt. alld.	lb.	.24	—
l.c.l., frt. alld	lb.	.25	—
tanks, frt. alld	lb.	.23	—
Dimethylethanolamine, dms., c.l., dlvd	lb	1.43	—
l.c.l. dlvd	lb	1.45	—
tanks. dlvd	lb	1.40	—
Dinitroanilin dms., frt. equald	lb.	.54	.57
Dinitrobenzene, crude, dms	lb.	.18	—
purified, dms	lb.	.19½	—
Dinitrochlorobenzene, dms., c.l., frt. alld. E	lb.	.16¼	—
l.c.l., frt. alld. E	lb.	.17¼	—
tanks, frt. alld. E	lb.	.15¼	—
Dinitrophenol, bbls	lb.	.31	—
Dinitrotoluene oily, dms	lb.	.09½	—
refd., dms.	lb.	.19	—
Dinonylnaphthalene, c.l., dms., work	lb.	13	—
l.c.l. dms. works	lb.	.14	—
tanks works	lb.	12	—
Dioctyl adipate dms. c.l., works, frt. alld	lb.	.42	.43¼
l.c.l., same basis	lb.	.43	.44¼
tanks, same basis	lb.	.40½	.41½
Phthalate, dms., c.l., frt. alld	lb.	.39½	.39¾
l.c.l., frt. alld	lb.	.40½	.40¾
tanks, frt. alld	lb.	.38	—
Diorthotolyiguanidin dms. ton lots, dlvd	lb.	.52	—
smaller lots, dlvd	lb.	.53	—
Dioxan, dms. c.l. frt. alld	lb.	.25	—
l.c.l. same basis	lb.	.25½	—
tanks, same basis	lb.	.23½	—
Dip oil (see Tar acid oil).			
Dipentaerythritol bgs. l.c.l., works	lb.	.35	—
Dipentene, dest.-dist., dms., extra, c.l., works, South	gal.	.38	—
l.c.l.	gal.	.39	—
l.c.l., whse., N. Y.	gal.	.56	—
steam-dist. dms., c.l., works, south	gal.	.35	—
l.c.l., works, South	gal.	.46	—
dlvd. N. Y.	gal.	.52	—
Diphenyl, bbls., c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	.20
Oxide, perfume grade, cns	lb.	.53	.91
Phthalate, dms., c.l., works	lb.	.45	—
l.c.l., same basis	lb.	.47	—
Diphenylamine, refined, gran., bbls., c.l.	lb.	.26	—
l.c.l., works	lb.	.28	—
tankcars, works	lb.	.23	—
tech., tankcars, works	lb.	.22	—
Diphenylguanidin, dms., ton lots	lb.	.43	—
smaller lots	lb.	.44	—
Diphenylhydantoin-sodium, USP dms.	lb.	3.25	3.50
Dipropyleneglycol, dms., c.l., frt. alld	lb.	.15¼	.15¾
l.c.l., same basis	lb.	.16¼	.16¾
tanks, same basis	lb.	.13½	.14
Methylether, dms., c.l., frt. equald.	lb.	.19¾	—
l.c.l., same basis	lb.	.20¾	—
tanks, same basis	lb.	.18¼	—
Ditertiarybutylmetacresol, dms., c.l., works	lb.	.32	—
l.c.l. works	lb.	.33	—
tanks, works	lb.	.31	—
Ditertiarybutylparacresol, dms., c.l., works	lb.	.91	—
l.c.l. works	lb.	.95	—
Divi-divi 43% tannin, bgs., bls., c.l., U. S. ports, ex dock	ton.	No stocks.	
Divinylbenzene 18%, dms., c.l., works	lb.	.25	—
l.c.l. works	lb.	.26	—
tanks, works	lb.	.24	—
40%, dms., c.l., works	lb.	.55	—
l.c.l. works	lb.	.60	.65
Dodecyltoluene, dms., c.l., works	lb.	.14	—
l.c.l., works	lb.	.15	—
tanks, works	lb	.13	—
Doggrass root dom., cut, bls.	lb.	.20	.24
imp., NF, cut, bls	lb.	.28	.30
Dogwood bark, Jamaica	lb.	.11	.13
Dragon's blood, drops cs.	lb.	.45	.47
mass, cs.	lb.	.90	1.00
reeds, cs	lb.	1.75	2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb lots, dlvd.:—

Blue, FD&C, No. 1, cns	lb.	17.00	17.60
No. 2, cns.	lb.	17.00	17.60
Green, FD&C, No. 1, cns.	lb.	17.00	17.60
No. 2, cns.	lb.	22.20	22.85
No. 3, cns	lb.	35.25	35.90
Orange, FD&C, No. 1, cns.	lb	3.65	3.75
No. 2, cns	lb	4.55	4.75
Red, FD&C, No. 1, cns.	lb	7.55	7.85
No. 2, cns.	lb	4.00	4.10
No. 3, cns.	lb.	22.20	22.85
No. 4, cns.	lb	7.20	7.50
No. 32, cns.	lb	5.30	5.40
Violet, FD&C, No. 1, cns	lb.	17.00	17.60
Yellow, FD&C, No. 1, cns.	lb.	10.50	11.05
No. 3, cns.	lb	3.30	3.40
No. 4, cns.	lb	3.30	3.40
No. 5, cns.	lb	4.00	4.10
No. 6, cns	lb	4.00	4.10

Dyes, coaltar certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb lots, dlvd:—

Black, D&C, No. 1, cns	lb.	10.95	—
Blue, D&C, No. 4, cns	lb.	13.55	—
Brown, D&C, No. 1, cns.	lb.	16.10	—
Green, D&C, No. 5, cns.	lb.	16.10	—
No. 6, cns.	lb.	16.10	—
No. 7, cns.	lb.	14.80	—
Orange, D&C, No. 3, cns.	lb.	10.95	—
No. 4, cns.	lb.	20.05	—
No. 5, cns.	lb	5.70	—
No. 10, cns.	lb.	20.70	—
Red, D&C, No. 8, cns.	lb	3.75	—
No. 9, cns.	lb	3.75	—
No. 10, cns.	lb	3.00	—
No. 11, cns.	lb	2.25	—
No. 12, cns.	lb	3.00	—
No. 17, cns.	lb.	10.95	—
No. 18, cns.	lb.	24.00	—
No. 19, cns.	lb.	20.05	—
No. 21, cns.	lb	4.70	—
No. 22, cns.	lb.	10.95	—
No. 28, cns.	lb.	24.65	—
No. 33, cns	lb.	17.45	—
Violet, D&C, No. 2, cns	lb.	16.10	—
Yellow, D&C, No. 7, cns.	lb.	10.93	—
No. 8, cns.	lb.	10.95	—
No. 10, cns.	lb.	13.50	—
No. 11, cns.	lb.	13.50	—
No. 22, cns.	lb	9.15	—
No. 33, cns.	lb.	14.65	—
No. 37, cns.	lb.	12.58	—

Dyes, coaltar certified colors for drugs and cosmetics, external use, 1-lb lots works 25-50 lb. lots dlvd:—

Blue, Ext. D&C, No. 1, cns	lb.	16.10	—
Green, Ext. D&C, No. 1 cns	lb.	16.10	—
Red, Ext. D&C, No. 1, cns	lb.	13.50	—
Yellow, Ext. D&C, No. 1 cns	lb.	10.95	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Orange AD	lb.	.64	—
27 Fast light orange 2G	lb.	.78	—
31 Phloxine 2G	lb.	.64	—
36 Alizarine yellow 2G	lb.	.83	—
40 Orange R extra, conc.	lb.	1.06	—
57 Fuchsine 6B	lb.	.57	—
79 Scarlet 2R	lb.	.74	—
151 Orange Y	lb.	.47	—
161 Orange RR	lb.	.55	—
176 Fast red A, conc.	lb.	.90	—
179 Azo rubine XX, conc.	lb.	1.04	—
180 Blue F4B	lb.	.92	—
185 Brilliant scarlet 3RN, conc	lb.	.93	—
202 Chrome blue black, conc.	lb.	.68	—
203 Chrome black T	lb.	.71	—
208 Fast blue SR	lb.	.91	—
216 Chrome red B	lb.	.84	—
234 Resorcin brown	lb.	.89	—
246 Blue black, extra, conc.	lb.	.86	—
275 Milling red 3R, conc.	lb.	2.03	—
289 Navy blue 3R, conc., 125%	lb.	1.09	—
299 Black F, conc	lb.	1.40	—
304 Neutral black 2B, conc, 200%	lb.	2.01	—
326 Fast scarlet 4BNC	lb.	1.64	—
332 Bismarck brown RX, conc	lb.	.86	—
365 Brilliant yellow, conc.	lb.	2.34	—
382 Scarlet B	lb.	1.65	—
401 Diazo black, BHD	lb.	.63	—
406 Blue, 2B, extra, conc.	lb.	1.07	—
419 Diamine fast red FC	lb.	1.12	—
420 Diamine brown M	lb.	.90	—
448 Benzo purpurine 4B conc.	lb.	1.18	—
518 Diamine sky blue FF extra conc., 150%	lb.	2.25	—
561 Trisulphon brown BCW, conc.	lb.	2.03	—
581 Direct black E, double	lb.	.89	—
593 Diamine green BXN conc. 150%	lb.	.97	—
598 Congo brown GG, conc. 150%	lb.	1.46	—
620 Stilbene yellow G, conc.	lb.	.92	—
639 Xylene light yellow GX.	lb.	1.79	—
640 Tartrazine conc.	lb.	1.46	—
655 Auramine conc.	lb.	1.85	—
657 Victoria green, sml. cryst.	lb.	2.10	—
662 Brilliant green cryst.	lb.	2.79	—
667 Brilliant milling green B conc.	lb.	3.68	—
671 Brilliant blue E	lb.	1.73	—
680 Methyl violet S, conc.	lb.	1.10	—
681 Crystal violet powder	lb.	2.15	—
698 Formyl violet S4B	lb.	1.58	—
720 Chrome azure blue BR conc. 200%	lb.	3.75	—
729 Victoria blue B conc.	lb.	2.79	—
739 Green SN extra	lb.	2.41	—
749 Rhodamine B extra	lb.	4.33	—
814 Fast yellow NNL conc. 175%	lb.	3.11	—
841 Safranine T extra, conc., 125%	lb.	2.90	—
865 Nigrosine WSJ	lb.	.68	—
922 Methylene blue ZX	lb.	1.55	—
969 Sulphanthrene blue GR paste.	lb.	.76	—
978 Sulphogene carbon HCF grains	lb.	.32	—
1034 Alizarin red S, conc	lb.	2.59	—
1054 Anthraquinone blue B	lb.	2.91	—
1078 Anthraquinone green G.	lb.	2.72	—
1085 Alizarin blue black B	lb.	2.33	—
1096 Indanthrene golden orange G, single paste	lb.	2.00	—
double paste	lb.	4.00	—
1099 Indanthrene dark blue BO, single paste	lb.	1.75	—
1101 Brilliant green B, double paste	lb.	2.36	—
1106 Indanthrene blue RS, double paste	lb.	2.57	—
1113 Indanthrene blue GCD, double paste	lb.	1.75	—
1150 Indanthrene olive R, single paste	lb.	1.10	—
1151 Indanthrene brown R, single paste	lb.	1.68	—
double paste	lb.	3.35	—

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Even if finishes *could* be baked on wood at 400°F., they wouldn't have the hardness, toughness, and flexibility you get with U.S.I.'s unique new AROFLINT 131 resin. An *air-dry* coating for bare wood, AROFLINT 131 makes a true "plastic finish"—similar to phenolic molding resins. It cures dust-free in 5-15 minutes . . . to handle in 15-20 minutes . . . tack-free in 20-30 minutes . . . to sand or rub in 3-4 hours—and hardens to print resistance in 20-24 hours!

And . . . AROFLINT 131 films are highly resistant to almost all chemicals. Applied by brush, spray, or dip, AROFLINT 131 films resist *acetone*, toluol, alcohol, whiskey, water (fresh and *salt*), soap solutions, acids, oils, greases, mild alkalies, and *all solvent paint removers.*

AROFLINT 131 is the ideal base for formulating high-gloss coatings for use on furniture, floors, sporting goods, industrial equipment—any place where hard, durable, chemical- and mar-resistant wood finishes are desired. Write or phone *today* for full technical information.

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Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
1212 Sulphanthrene red violet 2RN, single paste lb. 1.62 - —
1217 Sulphanthrene orange R, single paste lb. 1.65 - —
p-4 Acid anthracine brown PGN, lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L conc., 150% lb. 2.18 - —
p-80 Diazo brilliant scarlet ROA lb. 2.79 - —
p-202 Zambesi black V lb. 1.06 - —
p-244 Celliton scarlet B lb. 1.31 - —
p-313 Naphthol AS-SW lb. 2.42 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 550 lb. .81 - —
Jet, No. 551 lb. .89 - —
Brown, R, conc lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc lb. 1.37 - —
Yellow, C lb. 1.18 - —
FN, conc lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O lb. 1.85 - —
Black, basic, blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc lb. 1.55 - —
Brown, Bismarck, R, conc lb. .86 - —
Chrysodine, R, extra lb. .60 - —
Y, extra lb. .64 - —
Fuchsine, conc lb. 3.06 - —
Green, malachite, conc lb. 2.10 - —
Rhodamine, B lb. 4.33 - —
Safranine, Y, conc lb. 2.90 - —
Violet, methyl, B lb. 1.10 - —
Azo rubine R, extra, conc lb. 1.04 - —
Black, acid blue, B, extra lb. .86 - —
Orange, Acid, Y, conc lb. .47 - —
Scarlet, croceine, MOO lb. 1.45 - —
Yellow, azo-, conc lb. .90 - —
Fast light, 3 G, extra lb. 2.04 - —
Methanil, conc lb. .91 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb 45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.14 - 1.16
Chinese, spot, bbls, duty paid lb. .87 - .90
tanners, bbls lb 06½ 07
Elder flowers, bright, bls lb 40 - .50
Elecampane root bls lb .22 .25
Elm bark, grinding, bls lb 30 - .35
powd., bbls., bxs lb 40 - 45
select bndls lb 55 60
Emetine hydrochloride USP bots oz. 37.50 - 40.00
Ephedra herb, bls lb. .30 - .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz 98 - —
anydrous, bots., 100 ozs oz. 92 - —
Hydrochloride, tin, 100 ozs oz. 75 - —
Sulphate, cryst., tins, 100 ozs. oz 72 —
powd. tins 100 ozs oz 73 —
Epichlorohydrin, dms., c.l., works lb 36¾ —
l.c.l., works lb. 37½ —
tanks, works lb. 35 —
Epinephrine, synth., USP, bots., 100 grams gram 45 - —
Epsom salt, tech. bgs. c.l. works, 100 lbs 2.15 —
l.c.l., works 100 lbs 2.90 - 3.15
USP, cryst. bgs., c.l., works 100 lbs 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs 3.10 - —
smaller lots 100 lbs 3.35 —
Ergosterol, unirradiated, cryst kilo. 140.00 - —
Ergot, NF, dms., tin-lined lb. 5.50 Nom.
Eserine, bots. oz. 45.00 - 50.00
Salicylate, USP, bots oz. 33.00 - 34.00
Sulphate, bots. oz. 32.00 - 36.00
Ether, acetate (see Ethyl acetate)
Butyl, dms., c.l., works lb. 32½ —
l.c.l., works lb. 33 - —
tanks, works lb. 31 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif. dms., frt. equald lb. .14 - —
l.c.l., same basis lb. .14½ - —
tanks, same basis lb. .13 - —
technical, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .12 - —
Divinyl, USP, anesthesia, bots., 50 cc. hospitals bot 1.00 - —
75 cc. hospitals bot 1.56 - —
NF, dms., dlvd lb. .25 - —
Ethyl, absolute, ACS, dms lb. .30 - —
anesthesia USP hospital cns. lb 75 .90
Industrial, USP dms. c.l. dlvd. lb. .14 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .12 - —
synthetic, dms., incl., dlvd. East. lb. .14 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .12 - —
Isopropyl, dms., c.l., dlvd lb. .06¼ - —
l.c.l., dlvd lb. .07 - —
tanks, dlvd. lb 04½ —
Nitrous, conc. bots. 100 lbs lb 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .15¾ - .18¾
l.c.l., frt. alld lb. .16¾ - .19¾
tanks, frt. alld lb. .14 - .17½
95-98%, dms., c.l., frt. alld. lb. .16¼ - .19
l.c.l., frt. alld lb. .17¼ - .20
tanks, frt. alld lb. .14½ - .17¾
99%, dms., c.l., frt. alld lb. .16¼ - .19¼
l.c.l., frt. alld lb. .17¼ - .20¼
tanks, frt. alld lb. .14½ - .18
NF, dms., frt. alld lb. .24 - .25
synthetic, 85-90%, dms., c.l., frt. alld lb. .11¾ - —
l.c.l., frt. alld lb. .12¾ - —
tanks, frt. alld lb. .10 - —
95-98%, c.l., frt. alld lb. .12 - —
l.c.l. frt. alld lb. .13 - —
tanks, frt. alld lb. .10¼ - —
99%, dms., c.l., frt. alld lb. .12¼ - —
l.c.l., frt. alld lb. .13¼ - —
tanks, frt. alld lb. .10½ - —
Acetoacetate, dms., c.l., dlvd lb 47½ —
l.c.l., dlvd lb 48½ —
tanks, dlvd lb 46 —
Acrylate, dms. c.l., and truckload, works lb. 49 - —
less than truckload, works lb. 49½ —
tanks, works lb 48 —
Benzoate, dms lb. .70 - .75
Betaethoxypropionate dms works lb 70 -
Bromide, tech. 98% dms lb 39 41
Butyrate, bots gal. 5.10 6.00
cns, works lb. .63 - .87
dms, works lb 67 —
Carbamate (see Urethane)
Chloride, tech. dms., c.l., frt. alld. E. lb. 16 18
l.c.l. same basis lb 18 .20
tanks, same basis lb. 13½ —
USP, bbls., cyl lb .20 .22

Ethyl cinnamate, cns lb. 2.25 - 2.50
Formate, dms lb. .55 .65
Iodide, bots., works lb. 3.88 4.27
Lactate, dms., works lb. .42¼ - —
Methacrylate, dms., c.l and truckload works lb .50 —
less than truckload, works lb. .50½ .60
Nitrite (see Ether nitrous)
Oenanthate, dms lb. .95 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, dist (see Tetraethyl orthosilicate).
40% available SiO_2, dms. works, lb .55 - —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
Ethylanilin, dms., frt. alld lb. .50 - —
Ethylbenzene, dms., c.l lb. 14 - —
l.c.l. lb 15 - —
tanks lb 13 - —
Ethylbutyl ketone, dms., c.l., works, lb. 31½ —
l.c.l. works lb. .32 - —
tanks lb. .30 - —
Ethylcellulose, 6/8 dms 5,000 lbs. works lb. .54 —
smaller lots, works lb. .56 .64
Ethylene dichloride, dms c.l., works, frt alld E of Rockies lb. .10¾ - —
l.c.l. works frt alld E of Rockies lb. .11¾ - —
tanks, frt. alld., E. Rockies lb. .09 - —
Prices West of Rockies, 1c. per lb. higher.
Oxide, cyls., c.l., frt. equald lb. .25½ - —
l.c.l., frt. equald lb. .26¼ - —
tanks, frt. dlvd lb. .18¼ - —
Trichloride (see Trichloroethane)
Ethylenediamine, dms. c.l. works lb 42 —
l.c.l. works lb 42½ —
tanks, works lb 40 —

Ethyleneglycol, dms. c.l., frt alld, E lb. .17¾ - —
l.c.l., same basis lb. .18¾ - —
tanks, same basis lb. .16 - —
Diethylether, dms. l.c.l. works lb. .53 - —
Monobutylether, dms., c.l., works, lb. .21¾ - —
l.c.l., works lb. .22¾ - —
tanks, works lb. .20 - —
Monoethylether, dms., c.l., works, lb. .19¼ - —
l.c.l., works lb. .19¾ - —
tanks, works lb. .17½ - —
Monoethylether acetate, dms., c.l., works lb. .18¼ - —
l.c.l., works lb. .18¾ - —
tanks, works lb. .16½ - —
Monomethylether, dms., c.l., works, lb. .20¾ - —
l.c.l., works lb. .21¼ - —
tanks, works lb. .19 - —
Monomethylether acetate, dms., c.l., works lb. .25¾ - —
l.c.l., works lb. .26¼ - —
tanks, works lb. .24 - —
Monostearate, dms lb. .33 - —
Ethylethanolamines, mixed, dms., c.l., frt alld., E. Miss lb. .33¾ - —
l.c.l., same basis lb. .34¾ - —
tanks, same basis lb. .32 - —
Ethylmorphine hydrochloride USP bots oz. 11.85 - —
Ethylorthotoluidine (see Monoethylorthotoluidine).
Ethylvanillin cns, 5 lbs or more lb 6.75 —
smaller lots lb 6.80 6.90
Eucalyptol, USP, cns., dms lb. 1.65 - 2.05
Euphorbia, pil, herb, bls lb. .16 - .18

Dyes, Coaltar, General Use—Fishscrap

Eugenol, pure, USP, cns lb. 2.60 - 3.42
Euphorbia, herb, bls lb. .18 - .20

F

Feldspar enamel, 100 mesh, bgs., works ton 20.00 22.00
Glass, 20 mesh bulk, tons, works ton 11.75 12.50
Pottery bgs., ton lots, works ton 20.00 22.00
bulk, c.l. works ton 18.00 20.00
Fennel seed, Czech., dark, bgs. lb. .11½ - .12
French, bgs lb. .14 - .14½
Indian, bgs. lb. .13 - .14
Fenugreek seed, domestic, bgs. lb. No stocks.
Indian, bgs lb. .11 - .11¼
Moroccan, bgs. lb. 06½ .07
Syrian, bgs. lb. .07 - .07½
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate)
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite)
Ferric sulphate (see iron sulphate, ferric)
Film scrap, colored, cs., works lb. .11½ —
water-white cs., works lb .13½ —
Fir balsam, Canada, cns gal. 31.50 - 32.50
Oregon bbls gal 2.35 2.60
Fisheries, bgs lb. .20 .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 130.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 122.50 - —

WHERE DID IT GO?
Down the sewer — rejected.

WHY?
Unreliable chemicals spoiled it.

RESULT:
Often your spoilage savings enable you to maintain *higher* quality at *lower* long-run cost. May we give you the benefit of our long experience in solving quality control problems?

Even when only one batch in ten goes sour, your cost on the other nine goes up at least 11%. That's why so many process industries have found it pays to use Mallinckrodt *Fine Chemicals*. Their unwavering purity makes it far easier to turn out uniformly better batches . . . eliminate rejects.

• better batches *begin* with MALLINCKRODT FINE CHEMICALS

MALLINCKRODT CHEMICAL WORKS
Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York, N. Y.
CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES • MONTREAL • PHILADELPHIA • SAN FRANCISCO
Manufacturers of Medicinal, Photographic, Analytical and Industrial Fine Chemicals

Fluorspar—Gum, Asphaltum

Fluorspar, acid grade, bgs., c.l., mines ton 47.50 - —
l.c.l., mines ton 49.50 - —
bulk, contract, c.l., mines ton 42.00 - —
noncontract, c.l., mines ton 45.00 - —
l.c.l., mines ton 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton 37.00 - —
powd., 90-92% ton 41.00 - —
foundry grade, lump 55-60%, ton 34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton 37.00 - —
65%, bulk, c.l., mines ton 36.00 - —
60%, bulk, c.l., mines ton 34.00 - —
less than 60% bulk c.l. mines ton 32.00 - 34.00

Formaldehyde, USP, (inhibited), dms., c.l., E. works lb. .0600- .0625
l.c.l., E. works lb. .0650- .0675
tanks, E. works lb. .0395- .0420
methanol-free (uninhibited), tanks, works lb. .0375- .0400

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J. Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0245 for inhibited and .0225 for uninhibited.

Fenugreek (see Trigonella seed).
Fringetree bark, bls. lb. .53 - .56
Fuller's earth dom. powd., bgs. c.l., Fla., Ga. mines ton 30.00 - —
Tex., mines ton 27.00 - —
spent, bulk, Bayonne ton 2.00 - 4.00
imported, bgs. c.l. ton 30.00 - 40.00

Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .09½- —
Fusel oil, refined, dms., c.l., dlvd lb. .28¾- —
l.c.l., dlvd lb. .29¾- —
tanks, dlvd lb. .27 - —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .42½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 2, bbls., l.c.l. lb. .38½- —
liquid, No. 0, bbls., l.c.l. lb. .22 - —
No. 1, bbls., l.c.l. lb. .20½- —
No. 2, bbls., l.c.l. lb. .19½- —
No. 3, bbls., l.c.l. lb. .17 - —
solid, No. 1, bxs., l.c.l. lb. .28 - .40

G

G salt, bbls, frt. alld. lb. .66 - —
Galangal root, bls. lb. .18 - .25
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls. No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks, gal. .1075- —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks, gal. .11 - —
Group 3, 82 octane, tanks, gal. .10375- .1075
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .124 - .13
natural, 26-70 octane, group 3, tanks gal. .05875- —

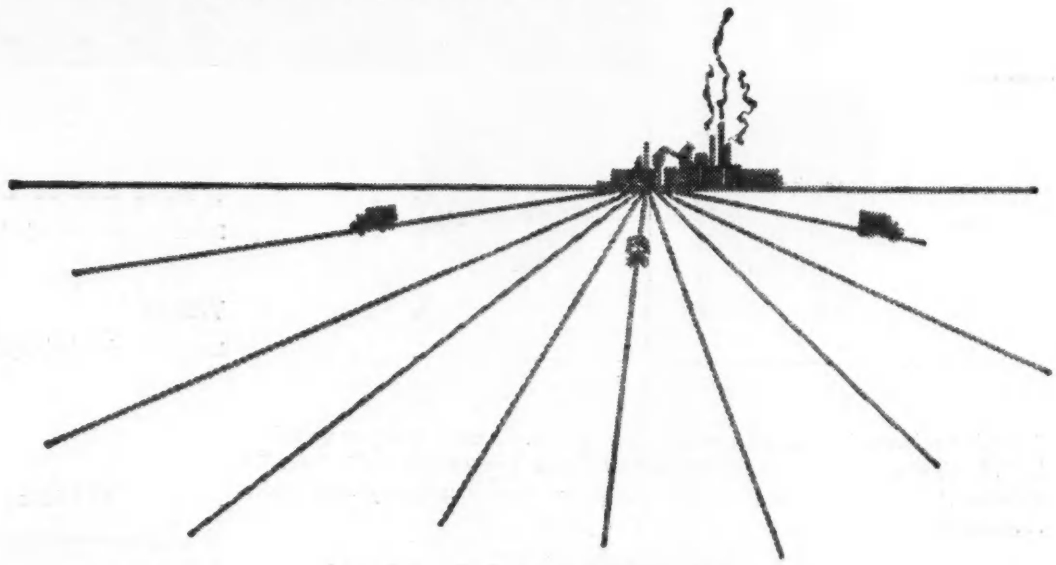
Gelatin, silver iodel, imported, cs lb. 1.15 - —
Gelsemium root, bls. lb. .30 - .32
Gentian root, bls. lb. .16 - .18
grd., bbls., bxs. lb. .20 - .22
powd., bbls., bxs. lb. .21 - .23
Geraniol, extra, cns., dms. lb. 2.60 - 3.20
prime, cns., dms. lb. 2.20 - 2.40
Geranyl acetate, cns. lb. 2.60 - 3.00
Ginger, oleoresin, NF, from African root, bots lb. 7.75 - 9.50
from Jamaican root, bots. lb. 10.50 -14.00
Root, African, bls. lb. .40 - .41
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs. lb. .54 - .60
Jamaica, No. 1, bgs. lb. .66 - .67
No. 2, bgs. lb. .64 - .65
No. 3, bgs. lb. .62 - .63
January-March delivery. lb. .48 - —
Rhattoon, bgs. lb. .50 Nom.
Nigerian, split, bgs. lb. .33 - .34
Ginseng root, cs. lb. 12.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).
cryst., bgs., c.l., works, frt. alld. ton 45.00 - —
l.c.l., works ton 50.00 - —
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest. lb. .20½- —
65 jellygrams, bgs., c.l., same basis lb. .22½- —
80 jellygrams, bgs., c.l., same basis lb. .24 - —
110 jellygrams, bgs., c.l., same basis lb. .25 - —
130 jellygrams, bgs., c.l., same basis lb. .26 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .27 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
Glue, bone, ground, 65 jellygrams, bgs., c.l., (50,000 lbs.), dlvd. lb. .22½- —
l.c.l., same basis lb. .23½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd. lb. .26 - .28
122-149, bgs., c.l., dlvd. lb. .27 - .30
150-177, bgs., c.l., dlvd. lb. .28 - .31
178-206, bgs., c.l., dlvd. lb. .29 - .33
207-236, bgs., c.l., dlvd. lb. .30 - .34
237-266, bgs., c.l., dlvd. lb. .31 - .35
267-296, bgs., c.l., dlvd. lb. .32 - .36
299-330, bgs., c.l., dlvd. lb. .33 - .37
331-362, bgs., c.l., dlvd. lb. .34 - .37
363-394, bgs., c.l., dlvd. lb. .35 - .38
395-427, bgs., c.l., dlvd. lb. .36 - .39
428-460, bgs., c.l., dlvd. lb. .37 - .40½
461-494, bgs., c.l., dlvd. lb. .38 - .42
495-529, bgs., c.l., dlvd. lb. .39 - .43
Hide glue, l.c.l., prices 1c. higher than c.l. bbls. ½c. more than bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd. lb. .60 - .65
soaplye, 80%, tanks, dlvd. lb. .55 - .60
dynamite, dms., c.l., dlvd. lb. .44 - .55
l.c.l., dlvd. lb. .44½- .55½
tanks, dlvd. lb. .43½- .54½
high gravity, dms., c.l., dlvd. lb. .44¼- .55
l.c.l., dlvd. lb. .44¾- .45½
tanks, dlvd. lb. .43¾- .44½
refined, BP, 98%, dms., c.l., dlvd. lb. .45½- .47
l.c.l., dlvd. lb. .46 - .57½
tanks, dlvd. lb. .45 - .56½
USP, c.p., 95%, dms., c.l., dlvd. lb. .44¾- .55½
l.c.l., dlvd. lb. .45¼- .56
tanks, dlvd. lb. .44¼- .55
yellow, distilled, dms., c.l., dlvd. lb. .44⅛- .54⅝
l.c.l., dlvd. lb. .45⅝- .55⅝
tanks, dlvd. lb. .43⅜- .54⅜
Glycine USP (see Acid, aminoacetic)
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots oz. 22.50 -23.00
acid-yellow, bots oz. 20.50 -
Gold of pleasure seed, bgs lb 40 41
Goldenseal root, bls. lb. 4.00 - 4.25
powd., bxs. lb. 4.50 - 4.75
Gold-sodium chloride photo bots. oz. 13.00 -14.00
USP IX, bots oz. 14.50 15.50
Grains of paradise, bgs lb. .44 - .55
Graphite, imported, amorph, powd., bgs., dlvd lb. No prices.
crystalline, 88-90% powd., bgs., ex whse lb. No prices.
90-92% powd., bgs. ex whse. lb No prices.
97% powd., bgs., ex whse lb No prices.
flake, No 1 90-95%, ngs., ctns., ex whse lb. No prices.
No. 2, bgs, whse lb. No prices.
Grease, house, loose, dlvd. lb. .09⅞- —
White, choice, loose lb. .12¼- —
Wool (see Degras and Lanolin)
Yellow, loose lb. .10⅛- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb 4.25 4.50
Fungstic, kgs, works lb 4.25 4.50
16-20% bbls same basis lb .38½ —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .34 - .38
6-10%, bbls., same basis lb. .35 - .36
11-15%, bbls., same basis lb. .36 - .37
16-20%, bbls., same basis lb. .36½- .37½
21-25%, bbls., same basis lb. .37½- .38½
26-30%, bbls., same basis lb. .37¾- .38¾
31-35%, bbls., same basis lb. .38¾- .39¾
36-40%, bbls., same basis lb. .40½- .41½
41-45%, bbls., same basis lb. .42 - .43
46-50%, bbls., same basis lb. .24¼- .25¼
50% and over, bbls., same basis lb. .45¾- .46¾
reduced color, 5%, bbls., same basis lb. .12½- —
6-10% bbls., same basis lb. .13¼- —
11-13% bbls., same basis lb. .13¾- —
14-16% bbls., same basis lb. .13¾- —
17-19% bbls., same basis lb. .14½- —
20-21% bbls., same basis lb. .14¾- —
22-23% bbls., same basis lb. .15 - —
24-25% bbls., same basis lb. .15¼- —
26-27% bbls., same basis lb. .15¼- —
28-29% bbls., same basis lb. .15¾- —
30-31% bbls., same basis lb. .16¼- —
32-33% bbls., same basis lb. .17¼- —
34-35% bbls., same basis lb. .18½- —
36-40% bbls., same basis lb. .19½- —
41-45% bbls., same basis lb. .41¾- —
46-50% bbls., same basis lb. .24½- —
51-55% bbls., same basis lb. .26 - —
56-60% bbls., same basis lb. .25¾- —
61-65% bbls., same basis lb. .26¼- —
66-70%, bbls., same basis lb 27¼ —
lb. .20½- —
Chrome green prices are ½c higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld. lb. .95 - 1.05
pure, c.l., bgs., frt. allid lb. .37½- .44
Dyes (see Dyes, coaltar).
Malachite (Indoflavin toner, molyb dic, bbls., works lb 3.00 —
Tungstic, bbls works lb 3.40 —
Paris (see P)
Phthalocyanin toner, bbls. works, lb 4.40 5.00
Tungstated, brilliant, kgs lb 3.00 4.00
Emerald, kgs lb 2.60 —
Grindelia robusta herb, bls lb. .24 - .30
Guaiac resin, NF, cs lb .60 .65
ordinary, cs lb .49 .51
Wood, bls lb. .35 .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys lb 1.90 1.95
Carbonate, dms. lb 2.95 3.00
Guarana, powd., cs lb. 1.50 1.75
Gum accroides (see Gum vacca)
Aloe (see A.)
Ammoniac tears, cs lb .90 .95
Arabic, amber, sorts, bgs. lb. .14½- .15
powdered USP, bbls lb 20½ 21
Asafetida (see A).
Asphaltum (see A)

FORMALDEHYDE

u.s.p. 40%

New Up-To-Date Plant
with Modern Manufacturing Methods

Prompt Deliveries in our own Tank Wagons
in New England and New York Areas



NEW YORK SELLING AGENT:
RICHES-NELSON INC.
342 MADISON AVENUE
NEW YORK, N.Y.

WATSON-PARK COMPANY
ESTABLISHED 1925
BALLARDVALE, MASSACHUSETTS

Gum, benzoin, Sumatra, cs. lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .25 - .26
No. 2, bgs. lb. .20 - .22
No. 3, bgs. lb. .17½ - .19½
Manila, toba. B, bgs. lb. No prices.
C, bgs. lb. .28 - .30
CBB, bgs. lb. .26 - .27
CNE, bgs. lb. No prices.
DBB, bgs. lb. .25 - .28
DK, bgs. lb. .18 - .24
dust, bgs. lb. .07½ - .09
soft, MA, bgs. lb. .19 - .21
WS, bgs. lb. No prices.
Philippine, pale, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .30 - .32
seeds, bgs. lb. .19 - .21
sorts, bgs. lb. .20 - .22
Pontianak, chips, bgs. lb. .19 - .22
nubs, bgs. lb. .30 - .32
Dammar, Batavia, A/E, bgs. lb. .23 - .25
dust, bgs. lb. .06 - .10
E, bgs. lb. .12½ - .14½
East India, batu, bold, bgs. lb. .13½ - .14½
nubs and chips, bgs. lb. .07½ - .10
bald, bold, bgs. lb. .13½ - .14½
unscraped, bgs. lb. .11 - .12
nubs and chips, bgs. lb. .10 - .11
pale, chips, bgs. lb. .14 - .16
nubs, bgs. lb. .23 - .26
Singapore, No. 1, bgs. lb. .34 - .36
No. 2, bgs. lb. .23 - .25
No. 3, bgs. lb. .09½ - .11
dust, bgs. lb. .09½ - .11
seeds, bgs. lb. .12½ - 13½
Elemi, cns. lb. .23 - .24
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .12 - .12½
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc lb. .12 - .12½
Euphorbium, cs. lb. .35 - .40
Galbanum cs. lb. 75 - .80
Gamboge, pipe cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs. lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1, bbls. lb. .55 - .56
No. 2, bbls. lb. .49 - .50
No. 3, bbls. lb. .44 - .45
Kauri, bgs. lb. .31½ - .32¾
Locust bean, powd., bgs. lb. .38 - .40
Mastic, cs. lb 2.25 - 2.50
Myrrh, cs. lb .30 - .35
Olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. No stocks.
Scammony, cs. lb. 1.50 1.55
Sterculia (see Gum, karaya).
Talha, bgs. lb .10 .11
Tragacanth, No. 1, cs. lb. 3.50 - 3.75
No. 2, cs. lb. 2.30 - 2.55
No. 3, cs. lb. 2.00 - 2.25
powdered, USP, bbls. lb. 1.50 - 1.55
Yacca, bgs. lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt equald ton 22.65 - —
Harlem river, N. Y., frt equald ton 28.25 - —
Medicine Lodge, Kan., frt equald ton 17.00 - —
New Brighton, N. Y., frt equald ton 30.65 - —
Southard, Okla., frt. equald. ton 17.00 - —
Sweetwater, Tex., frt equald ton 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton 12.50 - —
Blue Rapids, Kans., frt equald ton 10.50 - —
Harlem river, N. Y., frt equald ton 12.00 - —
Medicine Lodge, Kan., frt equald ton 12.50 - —
New Brighton, N. Y., frt equald ton 18.00 - —
Saltville, Va., frt equald ton 9.00 - —
Southard, Okla., frt. equald. ton 12.50 - —
Sweetwater Tex., frt equald ton 12.50 - —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald ton 8.00 - —
Blue Rapids, Kans., frt. equald ton 8.00 - —
Clarence Center, N. Y., frt. equald ton 8.00 - —
Fort Dodge, Iowa, frt. equald ton 8.00 - —
Gypsum, Ohio, frt equald. ton 8.00 - —
Grand Rapids, Mich., frt. equald ton 8.00 - —
Harlem river, N. Y., frt. equald ton 8.00 - —
National City, Mich., frt. equald ton 8.00 - —
New Brighton, N. Y., frt. equald ton 8.00 - —
Plasterco, Ga., frt. equald ton 8.00 - —
Portsmouth, N. H., frt. equald ton 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt equald ton 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton 22.50 - —
New Brighton, N. Y., works ton 21.00 - —

H

Hawthorn berries, bgs. lb. .40 - .45
Heliotropin, cryst., cns. lb. 3.10 - 3.20
Hellebore root, dom., green, bls. lb. .85 - .90
imp., black, whole bls. lb. .25 - .30
ground, bxs lb. .30 - .35
powder, bxs lb. .32 - .37
white, whole, bls. lb. .25 - .30
powder, bxs lb. .35 - .45
Helonias root, bls. lb. 1.85 - 2.10
Hematine extract, cryst., No. 0, bbls., t.c.l lb. .45½ - —
No. 1, bbls., t.c.l. lb. .44½ - —
No. 1A, bbls., t.c.l. lb. .41½ - —
No. 2, bbls., t.c.l. lb. .40½ - —
No. 3, bbls., t.c.l. lb. .38½ - —
No. 4, bbls., t.c.l. lb. .36½ - —
No. 5, bbls., t.c.l. lb .34½ - —
paste, No. 1, bbls., t.c.l. lb. .19 - —
No. 2, bbls., t.c.l lb. .18 - —
No. 3, bbls., t.c.l. lb. .17 - —
No. 4, (red), bbls., t.c.l. lb. .12½ - —

Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .27 - .35
Henna leaves, bls. lb. .23 - .25
powd., bbls., bgs. lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks, gal. .17 - —
group 3, tanks gal. 12½ - .13¼
Hesperidine methylchalcone, bots., works lb. 50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., c.l., Perth Amboy or N.Y.C. lb. .23 - —
l.c.l., same basis lb. .25 - —
bbls., c.l., same basis lb. .23½ - —
l.c.l., same basis lb. .25½ - —
USP, dms., 500 lbs. or more, same basis lb. .39½ - —
smaller lots, same basis lb. .40½ - —
Hexamine (see Hexamethylene tetramine)
Hexane, industrial group 3, tanks gal. .148 - —
Bayonne, N. J., tanks gal. .17 - —
Hexanol, normal, dms., c.l., works lb. .31½ - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼ - —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½ - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., 50 lbs. up, frt. alld lb. 17.00 - —
works lb. 16.00 - 17.00
smaller lots, frt. alld lb 18.00 —
works lb. 18.00 - 20.00

Histamine diphosphate, USP, bots kilo. 375.00 - —
Histidine hydrochloride—laevo, NF, 6b dms., 50 kilo lots, works kilo. 100.00 - 120.00
1-5 kilos, works kilo. 110.00 - 130.00
Homatropine hydrobromide, USP, bots oz. 15.00 - 16.00
Hydrochloride, bots oz. 20.00 - 22.00
Methylbromide, NF, bots oz. 13.00 - 16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago, unit-ton. 7.50 - —
Hops, NF, bls. lb 40 45
Horehound herb, bls. lb. .15 - .16
Hydrangea root, bls lb 14 17
Hydrastine, bots. oz. 31.00 - 37.00
Hydrochloride, NF, bots oz. 29.50 - 36.00
Sulphate, bots oz. 35.00 - 37.00
Hydrastinine, 10-grain bots. bot 1.95 —
Hydrastis (see Goldenseal).
Hydrofuramide, dms. 6b. cans., works lb .30 .40
Hydrogen chloride, anhyd., 50-lb. cyl., works lb. .50½ - .55½
Peroxide, USP, bbls lb. .03¾ - .05
35%, cbys., same basis lb. .24½ - .25½
dms., c.l., same basis lb. .21½ - —
l.c.l., same basis lb. .22 - .26½
tanks lb. .20¾ - —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone photographic, bbls., dms lb .90 —
tech dms lb .70 —
Hydroxycitronellal, cns. lb. 8.50 - 8.65
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots. oz. 15.75 16.00
Hydrobromide, bots. lb 16.50 18.00
Sulphate, bots. oz. 12.50 -13.00

Hypernic extract, cryst., No. 1, bbls., t.c.l lb 56 - —
No. 2, bbls., t.c.l lb 48 - —
liquid, No. 1, bbls., t.c.l. lb 30 - —
No. 2, bbls., t.c.l lb 25 - —
solid, No. 1, bxs., t.c.l. lb 44 —
Hyssop herb, bgs. lb. .40 - .45
Leaves, bgs. lb .45 .50

I

Iceland moss, bgs. lb 35 - .40
Ichthammol, NF, dms. lb. .60 - .75
Indian red (see Red Indian).
Indigo, nat., chests lb 2.14 2.16
synth., paste, bots. lb 23 —
powd., bbls lb 1.03 —
Indol, CP, bots. lb. 17.50 - 21.00
Inositol, dms., dlvd lb 4.90 —
tins, dlvd. lb. 5.00 - —
Insect flowers (see Pyrethrum)
Iodine, crude, kgs lb. 1.70 - 1.73
resubl., USP, bots., jars lb. 2.55 - 2.78
Iodochlorohydroxyquinolin NF dms lb. 6.50 - —
Iodoform, NF, dms., kgs. lb. 4.70 - 4.85
Ionone, alpha, cns. lb. 6.10 - 14.00
beta, cns. lb 8.65 - 10.00
Ipecac root, bgs. lb. 5.50 - 5.75
powd., bgs. lb. 5.75 - 6.00
Irish moss, bleached, prime bls lb. .22 - .24
Iron acetate, liquor, 28° bbls., c.l., works lb .09 —
l.c.l., works lb 09¾ —
solut., USP IX, cbys. lb 16 —
djns. lb 17 —
Cacodylate, NF, bots. lb. 13.50 - 14.50

SPECIFY HEYDEN!
HEXAMETHYLENETETRAMINE
U.S.P. (Methenamine) Granular and Powder—shipped in 100, 50 and 25 lb. fiber drums. Technical Granular and Powder—shipped in 200 lb. barrels, and 100, 50 and 25 lb. fiber drums. Bag packing also available. Whether used as a pharmaceutical or as an intermediate for resins, plastics and chemicals, these Heyden products can be relied upon for highest quality.
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FORMALDEHYDE
Clear, colorless liquid of highest purity and uniformity, with a minimum assay of 37%. Available in U.S.P. grade and methanol-free grade. Shipped in tank cars, tank trucks, drums, carboys and bottles.
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An alternative source of methylene linkages equal to Heyden Formaldehyde in purity and uniformity. Powder, Flo Granules and Granules. Fiber Drums: 250, 50 and 25 lbs.
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Bromides • Chlorinated Aromatics • Creosotes
Formaldehyde • Formic Acid • Glycerophosphates
Guaiacols • Hexamethylenetetramine
Medicinal Colloids • Methylene Disalicylic Acid
Paraformaldehyde • Parahydroxybenzoates
Penicillin • Pentaerythritols
Propyl Gallate • Resorcinol • Salicylates
Salicylic Acid • Streptomycin

Iron Chloride—Limestone

Iron chloride (ferric), anhydr., tech., dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works, 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .07 - .08½
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran. dms lb. .77 - .80
Gluconate, NF, dms lb. .83 - .95
Glycerophosphate, N.F., powd. lb. 4.45 - 4.55
Hypophosphite, NF, dms lb 2.80 - —
Iodide, bgs lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .23¼- —
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .78 - .91
Reduced (see Iron by hydrogen).
Resinate 7.4% Fe, dms. frt. alld. lb. .24¼- —
Stearate, dms., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —
Sulphate, partially hydrated, bgs., c.l., works ton.30.00 - —
l.c.l., works ton.31.00 - —
ferrous, tech (see Copperas)
USP, cryst, bbls, dms lb .09½- .10
Iron by hydrogen, nrs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb .53 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isoborneol, cns lb. .84 - .93
Isobornyl acetate, cns lb. .77 - .97
Isobutyl acetate, cns lb. .72 - 1.25
Methacrylate, dms., works lb. .60 - —
Propionate, cns lb. No prices.
Isobutyraldehyde, dms., works lb. .50 .53
Isoeugenol, cns lb. 3.80 - 4.25
Isopentane, dms., works lb. .45 .55
Isophorone, dms., c.l., works lb. .24¼- —
l.c.l., works lb. .24¾- —
tanks, works lb. .22½- —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld lb. .11¾- .12¾
l.c.l., same basis lb. .12½- .13½
tanks, same basis lb. .10 - .11
Alcohol (see Alcohol, isopropyl)
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisoproylamine).
Isoquinoline, dms., c.l., works lb. 30 - —
l.c.l., works lb. 40 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb. .48 - .50
Juniper berries, bgs lb. .15 - .17
Tar, dms. lb. .40 - .65

K

Kamala, powd., cns lb. .80 - .90
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w w., tanks gal. .09 - —
Bayonne, 41-43 s.g., w w. tanks. gal. .101 - —
California, 40-43 s.g., w w., tanks gal. .116 - .122
Gulf ports, 41-43 s.g., w.w., tanks gal. .0875- .0925
Okla.-Tex., 41-43, s.g. w w tanks gal. .08875- .0925
Penn., Western, 45 s.g., w.w., tanks gal. .10 - .105
Kola nuts, bgs lb. .09 - .10
Kyanite, imp. low iron content 10 mesh whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls. lb. 1.45 - 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .32 - .34
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .1250- —
Larkspur seed, bgs lb .20 - .25
Laurel berries, bls lb .25 - .26
Leaves, Greek, bls lb .06 - .06½
Portuguese, bls lb. .10 - .11
Turkish, bls lb. .12 - .12½
Yugoslavian, bls. lb. .06½- .09
Lauryl chloride, dms., works, frt. equald lb. .75 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .20 - .25
select, bls lb 60 .65
Lead acetate, white, crystals, bbls., lb. .21 - —
gran., bbls lb. .22 - —
powd., bbls lb. .22 - —
USP, cryst., dms lb. .26 - —
gran., powd., dms lb. .27 - —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .28 - —
l.c.l., frt. alld lb. .29 - .30
1-lb. bgs., c.l. lb. .41 - —
l.c.l lb. .42 - .43
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .17¾- —
l.c.l., works lb. .18¾- —
Carbonate (see Lead, white).
Chloride, dms lb. .39 - —
Iodide, NF V, jars lb 3.30 - —
Linoleate, precip., 26.15%, dms., lb. .34 - —
Metal, pigs, prime, N. Y. lb. .17 - —
St. Louis lb. .1680- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .32½- —
10,000-20,000 lbs., same basis. lb. .33 - —
2,000-10,000 lbs., same basis. lb. .33½- —
200 to 2,000 lbs., same basis. lb. .34 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .16¾- —
24% Pb, dms., dlvd lb. .22¾- —
37% Pb, dms., dlvd lb. .29¾- —
Nitrate, bbls., c.l. lb. .20 - —
l.c.l. lb. .20¼- —
Oleate, fused, bbls lb. 24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .31¾- —
60% PbO, dms., works lb. .30¼- —
Lead peroxide, powd., tech., bbls. lb. .40 - .41
Phthalate, dibasic, dms., works. lb. .40½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .19¾- —
l.c.l., same basis lb. .20¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .20¼- —
l.c.l., same basis lb. .21¼- —
Resinate, precip., dms., dlvd lb. .27 - —
Salicylate, normal, dms., works. lb. .43½- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1805- .1875
Stearate, dibasic, dms., works. lb. .53 - —
precip., bbls., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate)
tribasic, dms., works lb. .27½- —
Tallate, liquid, 16% Pb, dms. lb. .13½- .14½
24% Pb, dms lb. .17¾- .19
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .18½- —
l.c.l., same basis lb. .19½- —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .16¼- .21¼
l.c.l., same basis lb. .17¼- .22¼
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .17¾- —
l.c.l., same basis lb. .18¾- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .18 - —
l.c.l., same basis lb. .19 - —
unbleached, c.l., same basis. lb. .17 - —
l.c.l., same basis lb. .18 - —
Lemon peel, bls lb. .18 - .20
Leucine dextro-laevo, dms., works. lb. 12.25 -15.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls lb. .55 - —
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06⅛
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass ton.10.00 - —
Annville, Pa ton.11.00 - —
Bellefonte, Pa ton.11.00 - —
Buffalo, N. Y ton.10.50 - —
Carey, Ohio ton. 7.00 - —
Cedar Hollow, Pa ton.16.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo ton. 9.25 - —
Keystone, Ala ton.10.25 - —
Knoxville, Tenn ton.10.15 - —
Limedale, Ark ton. 9.00 - —
Longview, Ark ton.10.25 - —
Martinsburg, W. Va ton.10.40 - —
Menominee, Mich ton. 8.00 - —
Mitchell, Ind ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Wis ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton.11.00 - —
Hydrated, paper bgs., Adams, Mass ton.14.00 - —
Annville, Pa ton.14.00 - —
Bellefonte, Pa ton.14.00 - —
Buffalo, N. Y ton.14.00 - —
Cedar Hollow, Pa ton.12.50 - —
Engle, W. Va ton.13.00 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo ton 9.50 - —
Keystone, Ala ton.13.00 - —
Knoxville, Tenn ton.12 25 - —
Limedale, Ark ton. 9.50 - —
Longview, Ala ton.13.00 - —
Manistique, Mich ton 8.50 - —
Marblehead, Ohio ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey, Mich ton 10.00 - —
Port Island, Mich ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 9.00 - —
Sherwood, Tenn. ton.13.00 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ton.14.00 - —
Bellefonte, Pa ton.14.00 - —
Carey Ohio ton.11.00 - —
Engle, W. Va ton.13.90 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.15.00 - —
York, Pa ton.14.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton 3.50 4.00

SAVE MONEY...

on every Gallon of House Paint with

BASIC SILICATE WHITE LEAD

45 X

...with no sacrifice in quality

See how this remarkable new pigment cuts costs.

Use fewer pounds of pigment in your paint... turn out just as many gallons... and keep the sales-making qualities that only white lead can give you: durability ... flexibility ... adhesion.

Here's an entirely new pigment concept: a particle in which the reactive basic portion is concentrated at the surface. This holds for you all the advantages for which lead pigments are famous and at the same time gives the high bulk that results from lower specific gravity.

Basic Silicate White Lead 45 X is a highly efficient paint film stabilizer, and in addition it contributes to the self-cleaning properties of multiple-pigment house paints.

Get the detailed facts about this money-saving pigment. Phone or write the National Lead office nearest you.

Photomicrograph of Basic Silicate White Lead 45 X particles showing concentration of reactive white lead compound on surface.

Photomicrograph of characteristic lead soap formation produced with Basic Silicate White Lead 45 X, showing the effective action of the particle.

"Save the Surface and You Save All"

DUTCH BOY
Basic Silicate
WHITE LEAD 45X

NATIONAL LEAD COMPANY

New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Philadelphia 25; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6; (National Lead Co. of Mass.).

Linalool, ex bois de rose, cns....lb. 5.45 - 5.80
ex lignaloe wood, cns.....lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots....lb. 5.50 - 6.00
96-98%, bots.....lb. 6.35 - 7.25
ex petitgrain, bots.....lb 4.25 6.00
Lindane, 25% formulation, cns., works..lb. 2.70 - —
dms., works.....lb. 2.60 - —
Linden flowers with leaves, bls..lb. .25 - .30
without leaves bls.....lb. .22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills..ton.57.50 - —
extracted, 34%, same basis...ton.56.50 - —
Litharge, com'l, powd. bbls., c.l., ship't point, frt. alld..lb. .18¾- —
l.c.l., same basis.....lb. .19¾- —
Lithium benzoate, dms.....lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 2.00 - 2.25
Carbonate, NF, bbls., kgs.....lb. 1.05 - 1.15
Chloride, cryst., dms.....lb. .93 - —
Citrate, NF, bbls., dms., kgs.. lb. 1.05 - 1.40
Fluoride, bbls.....lb. 1.80 - 2.00
Hydride, dms., works.....lb.14.00 -18.50
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms.....lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .07 - —
l.c.l., dlvd.....lb. .07¾- .08
Titanated (high-strength), bgs. c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .10 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .55 - .56
leaves, NF.....lb. .80 - .85
Lobeline sulphate, bots., works oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. ..... lb 38½- —
No. 2, bbls., l.c.l. ..... lb .36½- —
liquid, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l. ..... lb 17½- —
No. 3, bbls., l.c.l. ..... lb .17 —
No. 4, bbls., l.c.l. ..... lb. 16½- —
solid, No. 1, bxs., l.c.l.....lb. .33 - —
No. 2, bxs., l.c.l.....lb .31 - —
No. 3, bxs., l.c.l.....lb 28½- —
No. 4 bxs., l.c.l.....lb 28 - —
No. 5, bxs., l.c.l.....lb 26½- —
No. 6, bxs., l.c.l. ..... lb 44½ 49¼
Lovage root, imported, bls.....lb. .75 - .80
Lupulin, tins ..... lb 1.95 2.00
Lycopodium, cs.....lb. 1.35 - 1.50
Lysine hydrochloride, dextro-laevo bots..kilo.145.00 -149.00

M

Mace, Amboina, bls.....lb. No prices.
Banda, No. 1, bls., afloat.....lb. 2.00 - 2.05
Siauw, No. 1, bls.....lb. 1.50 - 1.55
afloat.....lb. 1.38 - —
West Indian, cs.....lb. 1.40 - 1.45
November-December shipment. lb. 1.35 - —
broken, cs., December delivery..lb. 1.25 - 1.30
Madder Dutch bgs.... lb .29 32
Magnesia, calcined, tech., ctns., works..lb. .32 - .34¾
synth. rubber grade, ctns., works..lb. .31 - —
USP, light ctns.....lb .34 - —
heavy, bbls.....lb. .36 - —
Magnesium arsenate, bgs., cans, works..lb. .20 - .30
Bromide, jars.....lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald..lb. .09½- —
l.c.l., frt. alld.....lb. .10½- —
bbls., c.l., frt. equald.....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —
kgs., c.l., frt. equald.....lb. .12 - —
l.c.l., frt. alld.....lb. .13 - —
USP, bgs., c.l., frt. equald..lb. .11¼- —
l.c.l., frt. alld.....lb. .12¼- —
bbls., c.l. frt. equald.....lb. .11¾- —
l.c.l., frt. alld.....lb. .12¾- —
kgs., c.l., frt. equald.....lb. .13 - —
l.c.l., frt. alld.....lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa Frt equald with N Y C on all other destinations.
Chloride, anhyd., dms., works.. lb. .12¼- —
flake, bbls., c.l., works.....ton.45.00 —
l.c.l., works.....ton.49.00 -51.00
Gluconate, dms., cns.....lb. 1.88 - 1.93
Glycerophosphate, dms., works.lb. 5.10 - 5.20
Hydroxide NF medicinal, bbls., dms., kgs lb. .29 .30
Hypophosphite dms lb 1.60 —
Laurate, bbls.....lb. .46 .47
Metal, 99.8% ingots, cs., works lb. .24½- —
sticks, cs., works, frt. alld. on carlots..lb. .42 - .44
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia calcined)
Peroxide, 15%, dms., works ... lb. 1.00 - 1.03
Phosphate, tribasic, NF, bbls lb 75 —
Silicate (see Talc).
Silicofluoride bbls., works..... lb 09 .10
Stearate, ctns., c.l.....lb. .40 - —
smaller lots.....lb. .41 - .42
Sulphate (see Epsom salt).
Trisilicate, USP dms. 1,000-lb. lots lb .43 - —
100 lb lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., works, frt. equald..ton.72.50 - —
dead-burnt bulk c.l. standard grain, Chewalah, Wash ..ton.36.30 - —
Maleic anhydride, dms., c.l., dlvd., lb. .32 - .35
l.c.l., dlvd.....lb. .33 - .36
Prices on maleic anhydride West of Rockies 1½c. higher
Malva flowers, black, bls..... lb 1.00 1.20
Blue, bls ..... lb 95 1.10
Leaves, bls.....lb. .35 - .40
Mandrake root, bls.....lb. .50 - .52
Manganese acetate, bbls. ..... lb .42 —
Arsenate, bgs ..... lb 12 - .12½
Borate, tech., bbls ..... lb 23 - —
Carbonate, bbls., works..... lb. .21 - —
Chloride, anhyd., dms works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ton.78.00 —
smaller lots, works ton.84.00 -94.00
Gluconate, dms., cns.....lb. 1.86 - 1.93
Glycerophosphate, NF, fib, dms.lb. 4.25 - 4.45
Hydrate, bbls., works lb 34 —
Hypophosphite, NF, dms lb 2.00 - —
Linoleate, liquid, 4.35% Mn., dms, lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd, East.....lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt. alld..lb. .24½- —
Oleate, precip., bbls.....lb. .33½- —
Resinate, fused, 3½% Mn., dms, lb. .20½- —
precip., dms.....lz. .22½- —
Stearate, ctns., c.l.....lb. .40 - —
smaller lots.....lb. .41 - .42
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S E ton.66.00 - —
l.c.l., dlvd. S E ton.73.00 - —
feed grade, 80%, bgs., dlvd., S E lb. 05¼ .07
75%, bgs. c.l., dlvd. S E ton.76.00 —
l.c.l., dlvd. S. E.....ton.83.00 —
Tallate, 6%, dms.....lb. .20¾- —

Mangrove bark, E. Africa, 35% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock..ton.52.00 -53.00
Manna, flake, targe, cs ..... lb 1.10 1.35
small, cs.....lb. .85 1.00
Mannitol, com'l, dms., works.....lb 40 .42
reagent, 50-lb. dms. works.....lb .85 —
Marjoram, Argentine, bls.....lb. No stocks.
Bohemian, bls.....lb. .42 - .43
Chilean, bls.....lb. .37 - .38
French, bls., afloat.....lb. .40 - .40½
Peruvian, bls.....lb. .32 - .34
Matico leaves, bls ..... lb .25 .33
Melamine, bgs. ton lots, works lb. .33 - —
500 lbs. or more, works .. lb 33½- —
less 500 lbs., works ..... lb 38½- —
Menadione, USP bots gram 06½- —
Menthol, natural, USP, bots.....lb.11.00 -11.10
synthetic, USP racemic cns lb 7.25 Nom.
Menthyl salicylate tins lb 4.00 4.25
Mercaptobenzothiazole, bgs., fib. dms, ton lots, works, frt. alld lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .42 - —
less ton lots, same basis lb. .44 - —
Mercury, ammoniated (see White precipitate)
Bichloride (see Corrosive sublimate)
Bisulphate, dms. lb 2.13 2.15
Chloride (see Calomel)
Iodide, red, NF, fib., dms.....lb. 4.22 - —
yellow, NF, fib. dms.....lb. 4.37 - —
Meta (see Quicksilver)
Oxide, red, NF (see Red precipitate).
yellow, tech (see Yellow mercury oxide)
USP, fib dms. lb 2.44 2.48
Mesityl oxide, dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd. ..... lb. .14 - —
tanks, dlvd ..... lb .11½- —

Metaldehyde, dms., works.....lb. .78 - 1.00
Metachloranilin, dms., works.....lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .65 - —
l.c.l., works.....lb. .66 - —
Metanitroanilin, dms., frt. alld....lb. .97 - —
Metaparatsopropylphenol, dms., c.l.. lb. .21 - —
l.c.l. ..... lb. .22 - —
tanks ..... lb. .20 - —
Metanitroparatoluidin, bbls.....lb. 1.44 - —
Metaphenylenediamine, kgs., frt. alld. lb. .84 - —
Metatoluidine, bbls., c.l., works, frt. alld..lb. .78 - —
l.c.l., same basis.....lb. .80 - —
tankcars, same basis.....lb. .76 - —
Metatolylenediamine, kgs., frt. alld. lb. .80 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld..gal. .68 - —
l.c.l., frt. alld.....gal. .79 - —
tanks, frt. alld.....gal. .60 - —
Prices on natural methanol W of Miss 3c. higher.
Synthetic, zone 1, dms., c.l., frt. alld..gal. .41 - —
l.c.l., frt. alld.....gal. .46 - —
tanks, frt. alld.....gal. .29 - —
zone 2, dms., c.l., frt. alld..gal. .46½- —
l.c.l., ex whse.....gal. .51 - —
tanks, frt. alld.....gal. .32½- —
Synthetic methanol zones are: Zone 1 is all continental U. S., E of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho Mont., Nev., Ore. Utah and Wash
Methenamine (see Hexamethylenetetramine).

Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib., dms., same basis lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works lb. .65 - —
Methyl abietate (non-ret) dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l. same basis lb. 17½- —
hydrogenated (non-ret, dms., c.l., dlvd., zone 1 lb. .17¼- —
l.c.l. same basis lb 17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W Va., N C., Ohio, Ky., Mich, Ind, Ill, Wis., St Paul and Minneapolis, Minn, St. Louis, Mo., Miss, Ala, Ga, Fla., S C. and Tenn
Acetoacetate, dms., c.l., dlvd..lb. .53 - —
l.c.l., dlvd ..... lb .54 —
tanks, dlvd .....lb .51½- —
Methyl acetoacetate prices frt alld W. ½c. higher.
Acetone, natural, dms., c.l., E. of Miss., frt. alld..gal. .57 - —
l.c.l., same basis.....gal. .68 - —
tanks, same basis.....gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.
synthetic, dms. c.l., works, frt. alld. E gal. .62 - —
l.c.l., works, frt. alld. E gal. .67 - —
tanks, works, frt. alld. E gal. .50 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N Mex and Wyo. West territory, all States West of those four

PRESCRIPTION

Rx

You can rely on Quality in

MONSANTO

PHARMACEUTICALS

CAFFEINE, ANHYDROUS, U.S.P.

Specifications: White powder; loss on drying at 80° C., 0.25% max.; melting range, 235°-237.5° C.

Available in 100 and 25-pound fiber drums and in 10 and 5-pound boxes.

ACETOPHENETIDIN, U.S.P.

Specifications: White crystalline powder; solubility in ethyl alcohol, 95% (1:15) complete; melting range, 134°-136° C.; ash, 0.05% max.

Available in 200, 100 and 50-pound fiber drums and 25-pound boxes.

MONSANTO PHARMACEUTICALS

Acetanilid, U.S.P.
Acetophenetidin, U.S.P.
Acetylsalicylic Acid, U.S.P. (Aspirin)
Benzoic Acid, U.S.P.
Benzyl Benzoate, U.S.P.
Caffeine, U.S.P.
Calcium Phosphate, Di
Chloral Hydrate, U.S.P.
Chloramine-T, N.F.
Ferric Phosphates
Glycerophosphates
Magnesium Phosphates
Methyl Salicylate, U.S.P.
para-Aminosalicylic Acid
Phenol, U.S.P.
Phenolphthalein, U.S.P.
Phosphoric Acid
Potassium Ammonium Phosphate
Saccharin, U.S.P.
Salicylic Acid, U.S.P.
Salol (Phenyl Salicylate)
Sodium Benzoate, U.S.P.
Sodium para-Amino Salicylate
Sodium Phosphate
Sodium Salicylate, U.S.P.
Sulfanilamide, U.S.P.

ACETYLSALICYLIC ACID, U.S.P. (Aspirin)

Specifications: White crystals or powder; assay 99.5% min.; solubility in ethyl alcohol 95% (1:5) complete; solubility in 10% Na_2CO_3 (1:20) complete; ash, 0.05% max.; conforms to U.S.P. test for heavy metals, carbonizable impurities, resinous products, chloride, sulfate and free salicylic acid; 20-mesh, 40-mesh and 80-mesh screen.

Containers: 250-pound fiber drums; 25-pound boxes.

ACETYLSALICYLIC ACID — 10%, 16% and 20% starch granulations...12-50 mesh...also are available.

Containers: 250-pound fiber drums; 25-pound cartons.

MAIL COUPON FOR INFORMATION — For information on Monsanto Pharmaceuticals, mail the coupon or contact the nearest Monsanto Sales Office. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1739-L South Second Street, St. Louis 4, Missouri.

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MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
1739-L South Second Street, St. Louis 4, Missouri

Please send information on: .....Acetylsalicylic Acid, U.S.P.; .....Acetophenetidin, U.S.P.; .....Caffeine, Anhydrous, U.S.P.; and on.....

Name.....*Title*.....
Company.....
Street.....
City.....*Zone*.....*State*.....

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Methyl Acrylate—Nitrobenzene

Methyl acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.25 - 2.30
extra cns. lb. 4.00 - 4.40
Benzoate, cns., dms. lb. .45 - .63
Bromide, dealers, cns lb. .69 - .71
cyls. lb. .60 - 78
Chloride, indust., cyl., works lb. .18 - .18½
tanks, multi-unit, works lb. .13½ - .14
single-unit, works lb. .11 - .11½
refrigerator mfrs. cyls. dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .28½ - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Formate, refd., dms. lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. nq - —
tanks, works lb. .07 - —
Iodide, bots., works lb 3.65 4.78
cbys., works lb. 2.80 3.00
Lactate, dms. c.l., works lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½ - —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb 2.10 2.20
fib dms lb 1.90 2.00
Roseanilin chloride, USP, bots. lb 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .45 - —
cans, 50 lbs lb. .50 - —
Testosterone, USP, 100 gms gm. 3.50 - —

Methylheptin carbonate, bots. lb.35.00 -40.00
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .15¼ - —
l.c.l., dlvd lb. .16¼ - —
tanks, dlvd lb. .13½ - —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns. c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .87
Standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .61 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs lb. .68 - .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - —
smaller lots kgs. same basis lb. 3.40 - 3.60
Chloride indust. dms. c.l. dlvd E lb. .12 -
l.c.l. dlvd E lb. .13½ -
tanks dlvd E lb. 11½ -
Ketone, dms., c.l., dlvd lb. .11¾ - —
l.c.l., dlvd lb. .12½ - —
tanks, dlvd lb. .10 - —
Methylionone, A, cns lb 6.55 8.80
D, cns lb 7.50 9.55
prime, cns lb. 4.53 6.40

Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd. lb. .14½ - —
tanks, dlvd. lb. .12 - —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, 250-lb. dms., dlvd lb. 1.51 - —
less than 250 lbs., dms., dlvd lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½ - —
roofing, 20 to 80 mesh, works lb. .03½ - —
wet-grd., biotite, bgs. c.l., works, frt. alld., E lb. .05¾ - —
l.c.l., ex whse., or frt. alld, E lb. .06½ - —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾ - —
l.c.l., ex whse or frt allld, E lb. .06½ - —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼ - —
l.c.l., ex whse. or frt. allld, E lb. .08 - —
rubber, bgs., c.l., works, frt. allld. E lb. .07 - —
l.c.l., ex whse. or frt allld E lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. allld. E lb. .07¼ - —
l.c.l., ex whse. or frt. allld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. allld. E lb. .07½ - —
l.c.l., ex whse. or frt. allld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R. ½c. higher, W. of Rockies, 1c. higher

Milk powder, skimmed, roller, bbls., c.l lb. .10½ - .10⅝
spray, bbls., c.l. lb. .12¼ - .12¾
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½ - .35½
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾ - —
200-1,800-lb. lots lb. .23¼ - —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾ - —
200-1,800-lb. lots lb. .27¼ - —
Mineral spirits (see Petroleum mineral spirits)
Molasses, blackstrap, tanks gal. .26½ - .27½
New Orleans, tanks gal. .26½ - —
Molybdate orange (see Orange molybdate).
Molybdenum metal 60% Mo., powd., kgs lb. 2.60 3.00
Trioxide, pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld., or dlvd. lb. .09½ - —
l.c.l., same basis lb. .10½ - —
tanks, same basis lb. .08 - —
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms., c.l., frt. alld. E. lb. .28¾ - —
l.c.l., same basis lb. .29¾ - —
tanks, same basis lb. .27 - —
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine, dms., c.l., frt. alld. E., basis 100% lb. .21¾ - —
l.c.l., same basis lb. .22¾ - —
tanks, same basis lb. .20 - —
Monoethylorthotoluidine, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld. E. lb. .26¼ - —
l.c.l., same basis lb. .27¼ - —
tanks, same basis lb. .24¼ - —
Monomethylamine, 25%-40%, dms., c.l. works, basis 100% lb. .35 - —
l.c.l., same basis lb. .35½ - .36
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. 49 - —
Morphine, cns. oz.12.40 -12.60
Acetate, cns. oz. 9.85 9.90
Hydrobromide, cns. oz. 9.80 9.90
Hydrochloride, NF, cns oz. 9.90 10.00
Sulphate, USP, cns oz. 9.90 -10.00
Morpholine, dms., c.l., works lb. .60½ - —
l.c.l., works lb. 61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs lb. 65 - .75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin, grains, bots. oz.40.00 -45.00
synthetic—Ambrette, 100 lbs., fib. dms lb. 5.40 - —
25 lbs., cns lb. 5.50 - —
5 lbs., cns lb. 5.65 - —
Ketone, 100 lbs., fib. dms lb. 4.95 - —
25 lbs., cns lb. 5.05 - —
5 lbs., cns lb. 5.20 - —
Xylol, 100 lbs., fib. dms lb. 1.40 - —
25 lbs., cns lb. 1.45 - —
5 lbs., cns lb. 1.55 - —
Musk root, nls lb No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .09¾ - .10
Dutch yellow, bgs., futures lb. .15 - .15½
November shipment lb. .14 - —
English, yellow, bgs lb. .15 - .15½
Montana, brown, bgs., source lb. .07¼ - —
Oriental, Sept.-Oct., bgs., source lb. No prices.
yellow, Sept. Oct., bgs. source lb. No prices.
Washington, yellow, source, bgs. lb. No prices.
Myrobalans, J1, assorted, bgs., ex dock ton.46.00 -48.00
crushed, bgs., ex dock ton.72.00 - —
J2, bgs., ex dock ton.38.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. alld lb. .0525- —
78°, dms., c.l., same basis lb. .0665- —
l.c.l., same basis lb. .0560- —
tanks, same basis lb. .0575- —
refined, industrial, bbls., c.l., frt. equald lb. .10¼ - —
bgs., c.l., same basis lb. .09¾ - —
tanks, same basis lb. .09¼ - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .13 - —
cs. 50 lbs., c.l., same basis lb. .13¼ - —
1-lb. pkgs., c.l., same basis lb. .15½ - —
Imported, crude, 78°, large lots. lb. .04 - .05
Neocinchophen, USP, dms., frt. adjusted lb 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.25 - 2.30
Niacin (see Acid, nicotinic)
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .57 - .57½
Carbonate, bbls., dlvd. lb. .60½ - .61
Chloride, bbls., dlvd. lb. .31 - —
Cyanide, bots., dms lb 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .54¾ - —
Metal, electro cathodes, cs lb. .48 - —
Nitrate, bbls., works lb. .29¾ - —
Oxide, black, bbls lb. 42 - —
Sulphate, bgs., c.l., dlvd. lb. .23½ - —
l.c.l., dlvd lb. .24 - —
Nicotinamide, USP, dms., frt. adjusted kilo 11.30 -11.30
Hydrochloride, dms., frt. adjusted kilo 10.50 -10.80
Nicotine sulphate 40% 50-lb. dms., dealers, frt. alld. over 70 lbs., dm 49.40 - —
tins 10 lbs., dealers, frt. alld. on cases of 6 tin 10.85 - —
Nikethamide, bots., cbys lb 5.60 - 5.75
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .10 - —
l.c.l., frt. allld. lb. .11 - —
tanks, frt. allld. lb. .09 - —

Continental "F" Style cans can help you strike a high note in packaging chemical products from floor wax to radiator flush.

If your specifications call for lithography, Continental's specialists can make your brand stand out against competition. And, of course, your product is well protected when it's shipped in a Continental "F" Style can.

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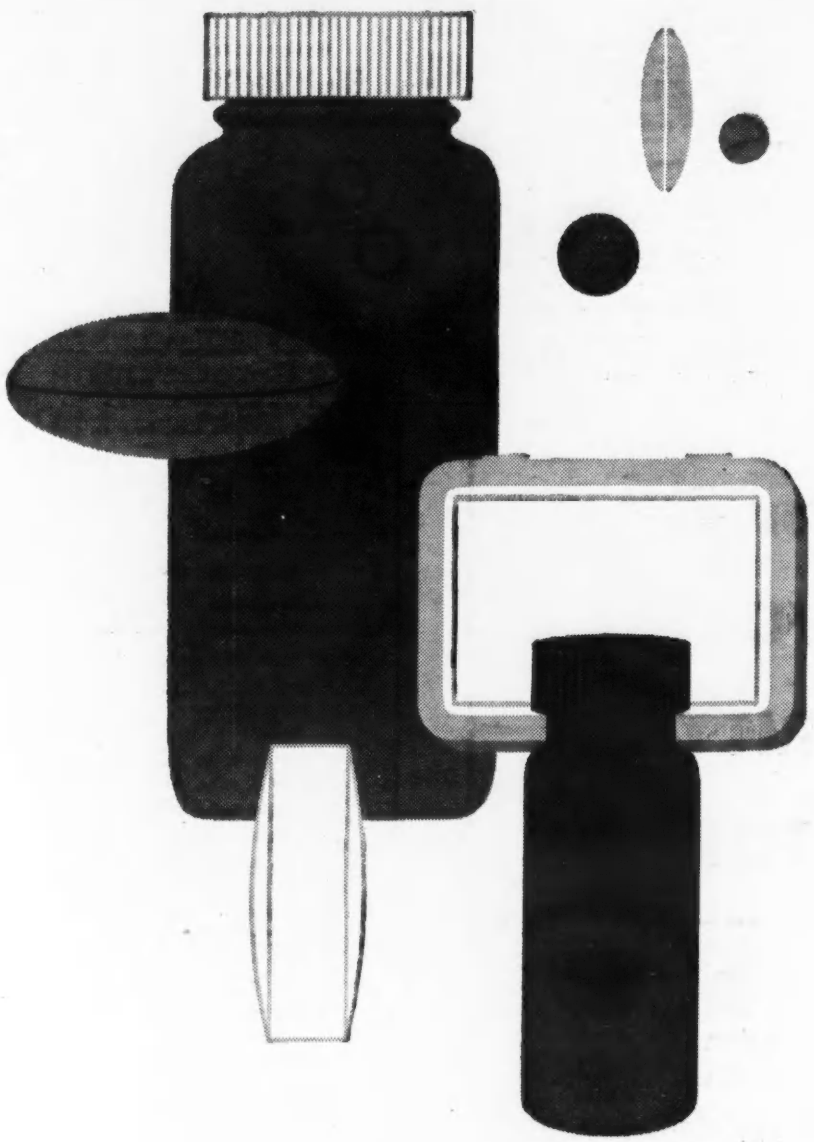
Open Head Pails	Adhesives
Closed Head Drums	Anti-Freeze
Utility Can	Insecticides
50 & 65 lb. Flaring Pails	Soap Powder
Small Flaring Pails	Dry Chemicals

CONTINENTAL CAN COMPANY

Eastern Division: 122 E. 42nd St., New York 17 Central Division: 135 So. La Salle St., Chicago 3 Pacific Division: Russ Building, San Francisco 4



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- non-hygroscopic
- unique nutritional value

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- non-hygroscopic powder
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Caseins—pharmaceutical and industrial grades
"De-Vitaminized" Casein
Lactose USP
Lactose Impalpable USP
Lactose Edible
Crude Milk Sugar
Calcium Lactate USP
Sodium Lactate Edible and Technical
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CHEMURGIC DIVISION

Division of National Dairy Products Corporation

Nitrocellulose—Oil, Oiticica, Liquid

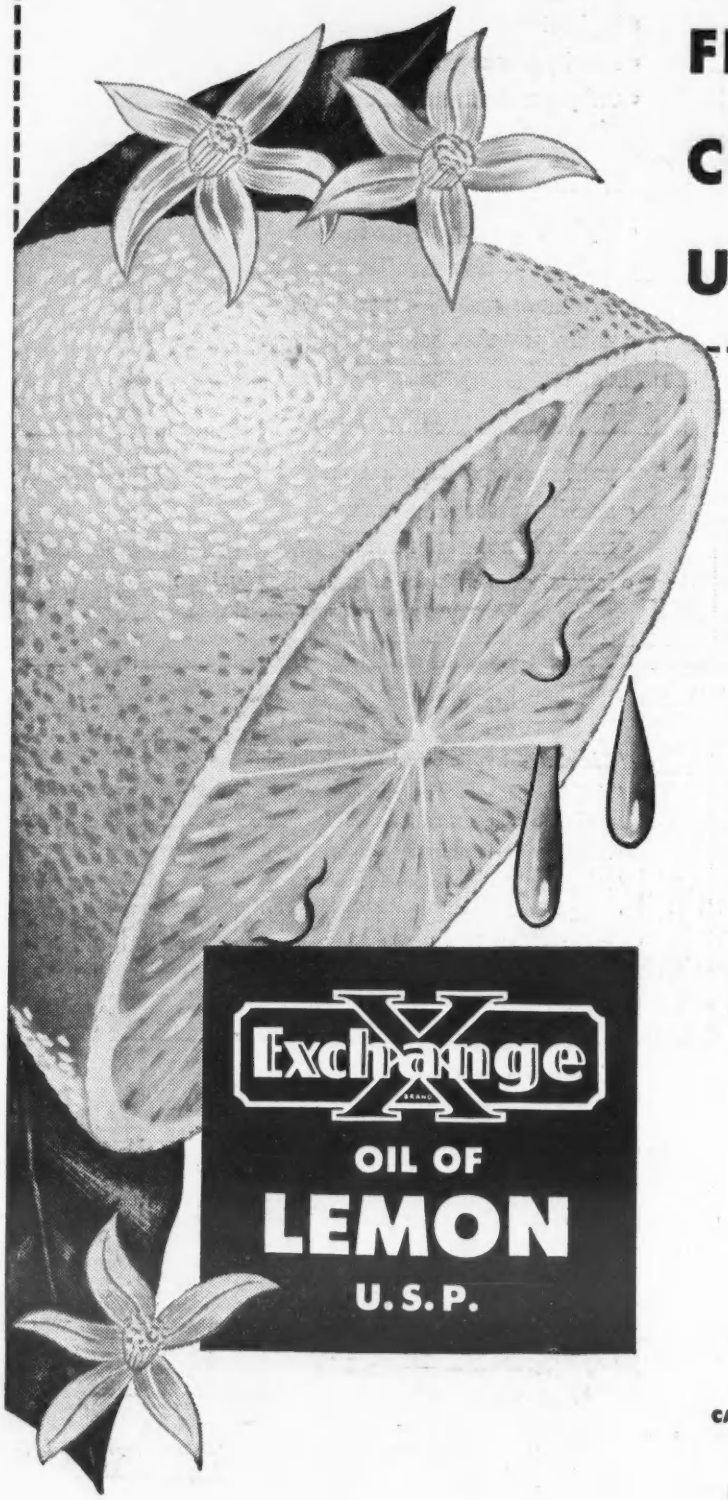
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .29 - —
l.c.l., same basis lb. .30 - .32
18-25 cps., c.l lb. .31 - —
l.c.l., same basis lb. .32 - .34
250-400, 600-1,000 secs., c.l., same basis lb. .35 - —
l.c.l., same basis lb. .36 - .38
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis lb. .38 - —
l.c.l., same basis lb. .39 - .41
5-6, 40-60 secs., c.l., same basis lb. .37 - —
l.c.l., same basis lb. .38 - .40
Denatured alcohol used in the manufacture of nitrocellulose is charged extra Drums extra, but returnable
Nitroethane, dms., divd., E. of Rockies lb. .25 - —
Nitrogen solution tanks work N ton. 115.00 - —
Nitrogenous process tankage bulk works, ammo., ship't. unit-ton. 4.15 - 4.50
Sewage sludge bulk works unit ton 3.25 + 40
Nitromethane, dms., l.c.l., divd. E. of Rockies lb. .25 - —
Nitropropane, 1, dms., divd., E. of Rockies lb. .23¼- —
2, dms., divd., E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .27½- —
Nutgalls, Aleppo, bgs lb. .38 - —
Chinese, bgs lb. .32 - —
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, 110's, cs. lb. .70 - .70½
afloat, cs lb. .65 - .66
West Indian, bgs lb. .47½- .48
futures, bgs lb. .50 - .50½
Nux vomica bis. lb .10 .12
powdered, bbls., bxs lb .13 .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C. industrial grade, group 3, dms., c.l gal. .19 —
l.c.l gal. .21 .60
tanks gal. .15½- —
10°C., b.r. Bayonne, N.J., tanks gal. .17 - —
Octanol, normal tech., dms., c.l., divd lb .34½- —
l.c.l. divd lb. .36½- —
tanks, divd lb. .32 - —
Octyl methacryiate, normal, dms., less than truckload, works. lb .83 - —
Oil, abies siberica, cns. lb. 3.75 - 4.00
Almond, artificial, bitter, (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 3.15 - 3.85
NF, bots lb. 3.00 - 3.75
sweet, dms., cns. lb. .50 - .85
Allspice (see Oil, pimento).
Amyris, dms lb. 1.55 - 2.10
Angelica root, bots lb. 150.00 -160.00
seed, bots lb. 100.00 -130.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 1.25 - 1.65
Apricot kernels, USP, dms. lb. .46 - .65
Avocado, cns., dms. lb. 1.00 - 1.10
Babassu, crude, tankcars lb. .19½- —
Oil, bay, NF, Puerto Rican, 50-55%, cns. lb. 1.35 - 1.55
55-60%, cns. lb. 1.45 - 1.75
drums lb. 1.15 - 1.70
West Indian, 50-55%, cns.,
Bergamot, artif., cns. lb. 3.75 - 5.25
natural, NF, Italian, cns. lb. 6.50 - 8.00
Birchtar, crude, cns. lb. 1.50 - —
rectified, NF, cns. lb. 4.60 - —
Bois de rose, Brazil, dms. lb. 3.80 - 4.25
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. .65 .70
Cajeput, tech., dms. lb. 2.10 - 2.35
redistilled, USP, cns. lb. 2.65 - 2.85
Calamus cns lb. 20.00 -28.00
Camphor, sassafrassy, dms. lb. .24 - .60
white, dms lb. .22 - .60
Cananga, native, cns. lb. 4.25 - 5.25
rectified, cns. lb. 6.00 - 6.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb. 3.65 - 4.50
Cardamom, NF, bots lb. 80.00 -85.00
Cassia, USP, cns., dms. lb. 4.35 - 5.00
Castor, blown, dms., c.l. lb. .2625- —
dms., l.c.l. lb. .2670- —
dehydrated, bodied, dms., c.l. lb. .28 - —
l.c.l. lb. .2875- —
tanks lb. .2675- —
unbodied, dms., c.l. lb. .2700- —
l.c.l. lb. .2750- —
tanks lb. .2575- —
hydrogenated, dms., l.c.l. lb. .3125- —
No. 3, tech., dms., c.l. lb. .24 - —
l.c.l. lb. .2450- —
tanks lb. .2275- —
No. 1, Brazilian, tanks lb. .22 - —
standard, dms., c.l. lb. .2425- —
l.c.l. lb. .2475- —
tanks lb. .23 - —
refined and deodorized, dms., c.l. lb. .2550- —
l.c.l. lb. .2625- —
sulphonated, 50% (48% fat), dms. lb. .13½- .14
75% (60-62% fat), dms lb. .18½- .19
Oil, cedarleaf, USP, cns., dms. lb. 2.50 - 3.00
Cedarwood, cns. lb. .45 - .60
dms. lb. .40 - .55
Celeryseed, bots. lb. 16.50 -16.00
Chamomile, blue, Hungarian, bots. lb. 250.00 -280.00
Chaulmoogra, NF, cns., dms. lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots. lb. 30.00 -60.00
Leaf, Ceylon lb. 1.30 - 1.50
Citronella, Ceylon, cns., dms. lb. 1.52 - 1.90
Java, true, cns. lb. 2.40 - 2.65
Java type, cns. lb. 1.90 - 2.55
Clove, USP, from buds, cns., dms. lb. 2.05 - 2.45
Coconut, crude, tanks, Atlantic ports lb. .17¾- —
Pac. Coast lb. .16½- —
refined, Cochin type, tax incl., dms., l.c.l lb. .25¼- —
deodorized, tax incl., dms., l.c.l. lb. .27 - —
Cod, Newfoundland, dms. lb. .12½- —
Codliver, USP, dms gal. 1.75 - 1.85
Coriander, USP, bots lb. 25.00 -34.00
Corn, crude, tanks, works lb. .19¾- .20
foots, acid 95% tanks dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¼ Nom.
refined, dms., l.c.l., New York lb. .25½- .26
tanks, same basis lb. .23½- —
Costus, bots oz. 25.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .20½- —
foots, acid 95% tanks dlvd. E lb. .07½- —
raw, 50%, tanks, dlvd. E lb. .03½- —
refined, dms., l.c.l. lb. .27½- —
tankcars lb. .25¼- —
Creosote (see Crotonic, coaltar).
Croton, cns lb. 4.75 5.50
Crude (see Petroleum, crude)
Cubeb, cns. lb. 5.75 - 7.50
Cumin, bots. lb. 4.50 - —
Cypress, bots. lb. No stocks.
Degras (see D).
Dillseed, india, bots. lb. 6.25 - 7.75
Dillweed, domestic, bots., dms. lb. 4.60 - 5.50
Dip (see D).
Erigeron, cns lb. 5.25 - 7.50
Eucalyptus, rectified, 80-85%, dms. lb. .90 - 1.10
70-75%, dms lb. .80 - .90
Fennel, USP, cns. lb. 2.30 - 3.25
Fir, Canada, cns. lb. 2.10 - 2.25
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units per gm., dms., 1,000,000 units. .11 - .11¼
15,000 to 20,000 A units, dms. 1,000,000 units. .11 - .12
25,000 to 35,000 A units dms. 1,000,000 units. .11 - .12
40,000 to 55,000 A units. dms. 1,000,000 units. .12 - .13
Market prices on crude fishliver oil dependent upon conversion factor
prime, natural, or concentrate, 100,000 A units, dms 1,000,000 units. .15 - —
200,000 A units, dms 1,000,000 units. .16 - —
300,000 A units, dms 1,000,000 units. .16 - —
400,000 A units, dms 1,000,000 units. .17 - —
500,000 A units, dms 1,000,000 units. .17 - —
700,000 A units, dms 1,000,000 units. .17 - —
Prices above are based on the USP XIII method of conversion. E x 1894.
prime, nat. or conc., 100,000 A units dms 1,000,000 units. .16 - —
200,000 A units, dms 1,000,000 units. .17 - —
300,000 A units, dms 1,000,000 units. .17 - —
400,000 A units, dms 1,000,000 units. .18 - —
500,000 A units, dms 1,000,000 units. .18 - —
700,000 A units, dms 1,000,000 units. .18 - —
Prices above are based on the USP XIV method of conversion, Merton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 7.25 - 8.00
Gautheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 26.00 -30.00
Bourbon, cns lb. 27.00 -35.00
Turkish (see Oil, palmarosa)
Ginger, dist., bots lb. 22.00 -24.00
Grapefruit, No. 1, dms. lb. .90 - 1.75
Grease, No. 1, dms lb. .16½- .18½
extra, Winter, strained, dms lb. .19 - .21½
prime, burning, dms lb. .21 - .23
Guaiacwood, cns. lb. 1.65 - 2.00
Hemlock, cns lb. 2.00 - 2.25
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 2.75 - 3.25
twice rectified, bots. lb. 3.75 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 1.00
Lard (see Oil, grease).
Laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 2.75 - 3.25
Lavender flower, French, 30-32% ester, cns. lb. 3.25 - 4.00
38-42% ester, cns. lb. 5.40 - 5.75
40-42% ester, cns. lb. 5.60 - 6.50
Spike, Spanish, cns. lb. 1.60 - 1.70
Lemon, USP, Calif., cns., dms. lb. 4.00 - 4.25
Messina, cns. lb. 3.50 - 8.00
terpeneless, bots. lb. 32.00 -65.00
Lemongrass, cns., dms. lb. 2.65 - 3.25
Lignaloe wood, Mexican, cns. lb. 3.80 - 4.05
Lime, distilled, Mexican, cns. lb. 5.75 - 7.00
West Indian, cns lb. 6.50 - 7.25
expressed, West Indian, cns lb. 7.25 -13.75
terpeneless bot lb. 45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1680- —
l.c.l. lb. .1740- .1780
tankcars lb. .1560- —
tankwagon lb. .1590- —
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms. lb. 3.70 - 4.00
Italian, cns. lb. 5.25 - 8.50
Menhaden, crude, tanks, Balto lb. .11½- Nom.
refined, alkali, dms. lb. .1780- —
kettle-bodied, dms. lb. .1800- —
light-pressed, dms. lb. .1680- —
tanks lb. .15 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms. lb. .22½- .23½
synthetic, cns., dms lb. 1.40 1.70
Neatsfoot, 15°, dms. lb. .34 - .36
20°, dms lb. .32 - .35
30°, dms lb. .30 - .30½
Neroli, NF, French, bots. lb. 125.00 -195.00
Haitian, bots lb. 90.00 - —
Niaouli, cns. lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms. lb. 3.65 - 4.00
West Indian, cns., dms. lb. 3.50 - 3.85
Ocotea cymbarum, dms. lb. .70 - .90
Oiticica, liquid, dms. lb. .21 - .22
tankcars lb. .20 - .20½

8 out of 10 say it's *best* for

FLAVOR
CLARITY
UNIFORMITY



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CALIFORNIA FRUIT GROWERS EXCHANGE
Products Department, Ontario, Calif.
Producing Plant:
Exchange Lemon Products Co., Corona, Calif.

Oil, oleo, extra, dms	lb.	.17½	—
Olibanum, bots	lb	5.25	7.65
extra fine, bots	lb	8.00	—
Olive, commercial, dms	gal.	No stocks.	
edible, dms., duty paid	gal.	3.00	- 3.15
foots, dms	lb.	.17¼	- .17½
Orange, sweet, dist., cns	lb.	.75	- .90
expressed USP Brazilian, cns., dms.	lb.	1.25	- 1.50
Calif., cns	lb.	1.35	- 1.75
Florida, cns., dms	lb.	1.10	- 1.50
Messina, cns	lb.	3.50	- 5.50
West Indian, cns	lb.	2.50	- 3.15
sesquiterpeneless, bots	lb.	55.00	105.00
Origanum, Spanish, cns	lb.	2.30	- 2.75
Palm, Congo, dms	lb.	.17¼	—
tankcars	lb	No stocks.	
Palmarosa, cns	lb.	7.50	- 9.25
Palmkernel crude bulk, c.i.f. N Y	lb	No prices	
Paraffin, pale, 100-110 vis. at 100° F tanks East Coast refinery	gal	11½	—
Patchouli, dms	lb.	23.00	-26.00
Peach kernel, USP (see Oil, apricot kernel)			
Peanut, crude tanks, Southeast	lb.	.22	- .22¼
refined, dms., l.c.l	lb.	.28	- —
tanks, New York	lb.	.25½	- —
Pennyroyal, USP dom. cns	lb	No stocks.	
imported, cns	lb.	5.50	- 5.75
Peppermint, natural, dms	lb.	6.25	- 6.85
redist., USP, dms	lb.	6.60	- 7.25
Persic USP (see Oil apricot kernel)			
Perilla, crude, dms	lb.	No stocks.	
Petitgrain, Paraguay, cns	lb.	3.00	- 4.00
Pimento berry, NF, dms	lb.	4.25	- 5.75
leaf, cns	lb.	1.65	- 1.85
Pine, dest.-dist., dms., extra, c.l., works, South	gal.	.71	- —
l.c.l.	gal.	.72	- —
ex whse., N. Y. C	gal.	.90	- —
steam-dist. dms ex whse., non-ret dms incl. l.c.l. ex whse., N.Y.C	lb.	.117	- —
Pinenecdle, Siberian (See Oil abies siberica)			
Putty, petroleum dms., c.l., dlvd.	lb.	.11	- —
l.c.l. same basis	lb	12	- —
tanks, same basis	lb	10	- —
Rapeseed, tankcars	lb.	.23	Nom.
Red, saponified, dms	lb.	.19¾	.21
tanks	lb.	.18¼	- —
single dist., dms	lb.	.20½	.21¾
tanks	lb.	.19	- —
double dist., dms	lb.	.23	.24¼
tanks	lb.	.21½	—
Rice bran, clarif., dms	lb.	No stocks.	
Rose natural Bulgarian bots	oz.	32.00	-42.00
Rosemary Spanish tech. cns., dms	lb.	.75	- 1.00
USP, cns., dms	lb.	.95	- 1.30
Rue, bots	lb	3.00	3.25
Safflower, dms., l.c.l	lb.	1825	—
Sage, clary, bots	lb.	16.00	-19.00
Dalmatian, cns	lb.	11.00	-11.50
Spanish, cns	lb.	1.00	- 2.10
Sandalwood, NF, cns	lb.	12.00	-14.50
Sarsone crude tanks Pac coast	lb.	.12	- —
refined, alkali, dms	lb.	.1780	- —
kettle-bodied, dms.	lb.	.1880	- —
light-pressed, dms.	lb.	.1680	- —
tanks	lb.	.15	- —
Sassafras, artificial, cns., dms	lb.	.63	- .95
natural Brazilian (see Oil nectea cymbarum) domestic, USP, cns., dms	lb.	2.10	- 2.20
Savin, cns	lb	2.75	3.00
Savory, cns	lb.	No stocks.	
Seal 2% acid duty extra, dms	lb	No stocks.	
Sesame, ref., dms., l.c.l	lb.	.31½	—
Shingle stain, tar distillate, dms., c.l., works	gal.	.31	- —
l.c.l., works	gal.	.33	- —
tanks, works	gal.	.30	- —
Snakeroot, Canada, cns	lb.	19.75	-23.50
Soybean, crude, tanks, mills	lb.	.16¼	—
foots, acid, 95%, tanks, dlvd. E	lb.	.07¾	- —
raw, 50%, tanks, dlvd. E	lb.	.03½	- —
refined, alkali, dms., c.l.	lb.	.1955	- —
l.c.l.	lb.	.1900	- .1950
tanks	lb.	.1805	- —
clarified, dms., c.l.	lb.	.1740	- —
l.c.l.	lb.	.1800	- .1840
tanks	lb.	.1905	- —
edible, dms	lb.	.21	- .21¼
tanks	lb.	.18¾	- —
Spearmint, USP, dms	lb.	4.50	- 5.50
Sperm, bleached, winter, 45°, dms	lb.	.1620	- .17
tankcars	lb.	.1520	- —
natural, winter, 45°, dms	lb.	.15	- .16
tankcars	lb.	.14	- —
Spruce, cns., dms	lb.	2.00	- 2.25
Sunflower-seed, imp., refined, tanks	lb	No prices	
semi-refined tanks	lb	No prices	
Sweet birch, USP, Northern, cns.	lb.	4.95	- 8.00
Southern, cns.	lb.	2.00	- 3.75
Tall, crude, tanks, works	ton.	30.00	- —
refined, dms., c.l., works	lb.	.06¾	- .07
l.c.l., works	lb.	.07	- .07¼
tanks, works	lb.	.03½	- .03¾
Tallow, acidless, dms	lb.	.18	- .18½
Tansy, dms.	lb.	7.75	9.00
Tar, pine, com'l, dms., incl., c.l., works, South	lb.	.051	- —
l.c.l., works, South	lb.	.0534	- —
whse., N.Y.C.	lb.	.0678	- —
tanks, works, South	lb.	.041	- —
rectified NF, l.c.l., dms., extra, works, South	gal.	.67	- —
whse.	gal.	.77	- —
Tar acid (see T)			
Teaseed, dms	lb.	No stocks	
Theobroma (see Cocoa butter)			
Thyme, NF, red, cns., dms	lb.	1.60	- 2.85
white, cns.	lb.	1.30	- 3.10
technical white cns	lb	.40	5.00
Tung, dom., tanks, mills	lb.	.24½	- —
imported, cns., c.l.	lb.	.26¼	- —
l.c.l.	lb.	.27	- —
tanks	lb.	.23	- .25¼
Turkey red (see Oil castor sulphonated)			
Turpentine, NF, cns., dms	lb.	.28	- .58
Vetiver, Bourbon, cns	lb.	23.00	-30.00
Haitian, cns	lb.	21.00	-26.00
Java, cns	lb.	22.00	-26.00
Whale, ref., natural, dms	lb	No stocks.	
Winter bleached dms	lb	No stocks	
Wheat germ 5-gal dms	gal.	10.00	-13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y	gal.	.48½	- .51
l.c.l., same basis	gal.	.54½	- .60½
65-75 vis., dms., same basis.	gal.	.49½	- .52
l.c.l., same basis	gal.	.55½	- .61½
USP, 80-90 vis., dms., c.l., same basis	gal.	.50½	- .53
125-135 vis., dms., c.l., same basis	gal.	.58½	- .61
l.c.l., same basis	gal.	.64½	- .70½
145-155 vis., dms., c.l., same basis	gal.	.65½	- .67
l.c.l., same basis	gal.	.71½	- .76½
175-185 vis., dms., c.l., same basis	gal.	.68½	- .71½
l.c.l., same basis	gal.	.74½	- .81
200-210 vis., dms., c.l., same basis	gal.	.71½	- .73½
l.c.l., same basis	gal.	.77½	- .83
335-345 vis., dms., c.l., same basis	gal.	.76	- .78½
l.c.l., same basis	gal.	.82	- .87
Wintergreen, USP, nat., Northern, cns	lb.	6.00	-18.00
Southern, cns	lb.	3.25	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung,			
Wormseed, NF, cns	lb.	6.10	- 6.75
Wormwood, cns	lb.	6.75	- 7.50
Ylang-ylang, Bourbon, bots	lb.	12.00	-16.00
extra, bots	lb.	18.50	-21.00
Madagascar, bots	lb.	No stocks.	
Olein, crude (see Oil, red), white, low titre, dms	lb.	.23	- .24¼
tankcars	lb.	.21½	—
Oleostearin, bbls	lb.	.16½	- Nom.
Olivine aggregate c.l., mines	ton	7.00	9.50
crushed 8 mesh bulk c.l. works	ton.	10.00	—
paper bgs., c.l. works	ton.	12.00	—
Opium USP, cns	lb	19.20	19.45
gran. USP, cns.	lb.	21.65	-21.90
powd USP cns	lb.	21.65	21.90
Orange, sulphonated, bbls. frt. alld. E. of Rockies	lb.	1.12	- 1.30
Chrome CP bbls., dlvd N of Tenn and N C. E of Miss. R., includ Davenport Tenn. and N C. E of Minneapolis, Rock Island St Louis St. Paul	lb.	.30	- .38½
Chrome orange prices are ½c higher, dlvd Ala. Fla Ga., La (Shreveport); 1½c Miss. N C., S. C. Tenn. Dallas and Ft. Worth Tex. 1½c El Paso Tex.; 2c Cedar Rapids Des Moines Kansas City, Lincoln Omaha St. Joseph; 1.6c higher dlvd Pac. Coast, for Denver Pueblo Salt Lake City Wichita prices are equalized with Chicago			
Chrome dinitroanilin toner	lb	1.15	—
Mineral American bbls., l.c.l., ship't point, frt. alld	lb.	.2310	—
Molybdate, bbls.	lb.	.42	- .43
Persian bbls	lb	30	45
Orange flowers oils	lb	40	45
Orange peel bitter Haitian bls	lb.	13	15
Sweet bls	lb.	.15	.18
Oregano, Mexican, bgs	lb.	.15½	- .16
Italian, bgs	lb.	.14½	- .15
Portuguese, bgs.	lb.	.15	- .15½
Orris root, Florentine bls	lb.	.18	- .20
powdered, bbls., bxs	lb.	.23	- .24
Verona, bls	lb.	.15	- .16
powdered, bbls., bxs	lb.	.19	- .24
Orthoxenylphenyl dms. c.l., works	lb.	.23¼	—
l.c.l. same basis	lb.	.33	- —
tanks same basis	lb	.31	- —
Orthoanisidin bbls	lb	80	- —
Orthochloroanilin dms. 10,000 lbs. or more	lb.	60	- —
smaller lots	lb.	70	- —
Orthochloroparanitroanilin. d m s., dlvd	lb.	.66	- —
Orthochlorophenol dms. c.l., frt. equald	lb.	.20	- —
l.c.l. same basis	lb.	.30	- —
Orthocresol, pure, 30° C. non-ret., dms., c.l. frt equald	lb.	.178	- —
l.c.l., same basis	lb.	.181	- —
ret. dms., c.l., same basis	lb.	.165	- —
l.c.l., same basis	lb.	.166	- —
29° C. non-ret dms. c.l., same basis	lb.	.168	- —
l.c.l., same basis	lb.	.171	- —
ret. dms. c.l. same basis	lb.	.155	- —
l.c.l., same basis	lb.	.156	- —
24-29° C. non-ret dms. c.l., same basis	lb.	.148	- .158
l.c.l., same basis	lb.	.151	- .161
tanks, same basis	lb.	.135	- .145
Orthodichlorobenzene dms. c.l., works frt alld E of Rockies	lb.	.10¼	—
l.c.l., same basis	lb.	.11¼	- .11¼
tanks, same basis	lb.	.08¾	—
Orthoisopropyl N-phenylcarbamate (see IPC).			
Orthoisopropylphenol, dms., c.l., frt. equald	lb.	.29	- —
l.c.l., same basis	lb.	.30	- —
tanks, same basis	lb.	.26	- —
Orthonitroanilin dms	lb	50	.53
Orthonitrochlorobenzene, dms	lb.	.18	.19
Orthonitrobiphenyl tech. dms. c.l. works	lb	14½	—
l.c.l. works	lb	15	—
tanks, works	lb	13	—
Orthonitroparachlorophenol cns	lb	75	—
Orthonitrophenol, bbls., works	lb.	.85	- —
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	.09	- —
l.c.l., frt. alld	lb.	.10	- —
tanks, frt. alld	lb.	.06	- —
Orthophenetidin dms. works	lb	80	—
Orthotoluidin dms., c.l. works	lb.	.21	- —
l.c.l. same basis	lb.	.22	- —
tanks, same basis	lb.	.20	- —
Osage orange crystals, bbls l.c.l	lb	.53½	—
extract liquid bbls l.c.l	lb	1.54½	—
Orthotolidin, (see Tolidine Base)			
Ouabaine USP cns	gram	3.00	4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. and up	lb.	3.50	- —
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb.	4.75	- —
smaller lots, works	lb.	5.00	- —

P

Pancreas substance, assay 1:75	lb.	5.75	6.25
Pancreatin, USP., bots	lb.	2.50	- 3.00
Parthenol bots works frt adjust	kilo	90.00	—
Papain, powd., NF, cs	lb.	4.00	- 5.25
Papaverine, natural or synthetic hydrochloride USP cns. 1,000-oz lots	oz	3.00	—
smaller lots	oz	3.05	3.20
Sulphate cns	oz	7.10	7.35
Paprika, Chilean, bgs	lb	29½	30
Portuguese bgs	lb	39	40
Spanish, bgs	lb.	.42	- .45

NOW!

A SOLVENT for ODORLESS PAINTS

Shell 410* Thinner

Available in substantial quantities for the trade

Repeated use of this type solvent in paints for stores, hospitals, hotels and homes has demonstrated that use by occupants *immediately after painting* is perfectly practicable . . . gone are objectionable odors that bring delays and complaints. A significant trend in this direction is already established in the industry.

We will be glad to send you additional information about Shell 410 Thinner. Samples for your evaluation will be sent upon receipt of your letterhead request.

*OF end point

SHELL OIL COMPANY

50 WEST 50TH STREET, NEW YORK 20, NEW YORK

SHELL

Para-Anisidin—Petroleum, Mineral Spirits

Para-anisidin, dms. works ..... lb. .80 - —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., adjusted lb. 17.50 - 21.00
Para-aminophenol, bbls., frt. alld lb. .68½- —
Parachlorophenol, dms., c.l., frt. equald lb. .29 - —
l.c.l., same basis ..... lb. .30 - —
Parachloroanilin, dms., frt. alld E. Miss lb. .70 - —
Parachloro-orthonitroanilin, dms., frt. alld. lb. .70 - —
Paracresol, 98%, dms., dlvd. lb. .50 - —
Paracymene, dms. works, 50 gals. or more gal. 2.50 - —
smaller quantities ..... gal. 3.00 - —
Paradibromobenzene, bgs. 500-lb lots. lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .13½- —
l.c.l., same basis ..... lb. .16 - .19
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 122-124 ASTM, loose, c.l., ref'y ..... lb. .0695- —
125-127 ASTM, loose, c.l., ref'y .. lb. .0695 - —
128-130 ASTM, loose, c.l., ref'y .. lb. .0695- —
130-132 ASTM, loose, c.l., refy. lb. .0705- —
132-134 ASTM, loose, c.l., ref'y lb. .0705- —

Paraffin, fully refined, slabs, 135-137 ASTM, loose, c.l., ref'y lb. .0720- —

Paraffin prices in bgs and ctns. 7c 10c per lb. higher; 1,000 to 9,999 lbs., 2.7c per lb. higher, and under 1,000 lbs. 3.7c per lb. higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y. .. lb. .16 - —
10,000 lbs. to c.l., same basis. lb. .17¼- .17½
1,000-9,999 lbs., same basis lb. .18¼- .18½
less than 1,000 lbs., same basis .. lb. .19¾- .20¼
94-95%, powd., dms., c.l., works. lb. .14 - —
10,000 lbs. to c.l., same basis. lb. .15 - —
1,000-9,999 lbs., same basis. lb. .16 - —
less than 1,000 lbs., same basis .. lb. .18 - —
91-92%, flake, fib. dms., c.l., N. Y. delivery .. lb. .14 - —
10,000 lbs., to c.l., same basis .. lb. .15½- —
1,000-9,999 lbs., same basis .. lb. .16½- —
less than 1,000 lbs., same basis lb. .18½- —
91-92%, flake, fib. dms., c.l., works lb. .12 - —
10,000 lbs. to c.l., same basis. lb. .13 - —
1,000-9,999 lbs., same basis. lb. .14 - —
less than 1,000 lbs., same basis .. lb. .16 - —

Paraldehyde, tech., 98% 55 gals., dms., l.c.l., works lb. .12½ .13½
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works ..... lb. .10½- —
USP, chys ..... lb. .51 .53
Paranitroanilin, dms., c.l., works, frt. alld .. lb. .45½- —
l.c.l., frt. alld ..... lb. .48½- —
Paranitrochlorobenzene, kgs. works. lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .42 - —
Paranitrotoluene, kgs., frt. alld .. lb. .33 - —
Paraphenetidin, dms., works . lb. .80 - —
Paraphenylphenol, bgs., c.l., works. lb. .31½- —
l.c.l., same basis ..... lb. .32½- —
Paraphenylenediamine, redistilled, dms., works .. lb. 2.30 - 2.80
technical, refined, dms., same basis lb. 1.05 - 1.30
Paratertiarybutylphenol, bgs., c.l., works .. lb. .23½- —
l.c.l., same basis ..... lb. .24½- —
Parathion, spray powder, 15%, dealers, tins .. lb. .72 - —
tech., dms., works ..... lb. 1.50 - 2.50
Paratoluenesulphonamide bbls., works lb. .70 —
Paratoluidin, bbls., frt. alld ..... lb. .61 - —
Pareira brava root, whole, bgs. lb. .35 - .40
ground, bxs ..... lb. .40 - .48
powder, bxs ..... lb. .43 - .50
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over .. lb. .35 - .39
l.c.l., same basis ..... lb. .36 - .68
Passion flower herb, bls ..... lb. .30 - .35
Patchouli leaves, bls ..... lb. No stocks.
Peanut meal, 45%, sacked, mills ton. 63.00 - 65.00
Pectin, citrous, NF, powd., bbls lb 2.05 2.08
tech., powd., bbls ..... lb. 1.35 - —

Penicillin, crystalline, potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units ..... vl. .15½- —
500,000 units ..... vl. .28 - —
1,000,000 units ..... vl. .52 - —
2,000,000 units ..... vl. 1.00 - —
bulk, sterile, over 25,000,000,000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,000-unit lots .. 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units vl. .10¾- —
200,000 units ..... vl. .16 - —
500,000 units ..... vl. .30½- —
1,000,000 units ..... vl. .57 - —
2,000,000 units ..... vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls ..... lb. .40 .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 —
l.c.l., same basis lb. .23 .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —
Pentaerythritol, tech., bgs., c.l., works .. lb. .32 - —
l.c.l., works ..... lb. .33 - .35
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, industrial, tanks, group 3 gal. 10½ .11½
Pepper, black, spot, bgs ..... lb. 1.50 - —
November delivery ..... lb. 1.48 - —
December delivery, bgs ..... lb. 1.45 - —
December shipment, bgs ..... lb. 1.36 - —
January-March shipment, bgs lb. 1.32 - —
lb. 1.32 - —
Red, Carolina, longs, bgs ..... lb. .34 - .35
Haitian, bgs ..... lb. .47 - .48
Hontaka, bgs ..... lb. .40 - .41
November shipment ..... lb. .33 - —
Louisiana longs, bgs ..... lb. .30 - .30½
Mexican sports, bgs ..... lb. .35 .36
Mississippi sports, bgs, source Oct. shipment .. lb. .35 - .36
Nigerian, caps, bgs ..... lb. .31 - .32
Sierra Leone, bgs ..... lb. 42 43
Sudanese small, bgs ..... lb. 42 43
Turkish, bgs ..... lb. .25 - .26
White, bgs ..... lb. 2.75 - 2.80
November delivery, bgs .... lb. 2.60 - 2.65
Peppermint, USP, dom., bls ..... lb. .55 - .60
imported, bls ..... lb. .80 - .90
Pepsin, NF, bulk, containers .... lb. 3.90 - —
Perchloroethylene, dms., c.l., or truckload, works ..... lb. .11 - —
l.c.l., same basis ..... lb. .11¾- —
tanks, same basis ..... lb. .10 - —
Perchloroethylene, dms., c.l., dlvd. E lb. .12 - —
l.c.l., dlvd. E ..... lb. .12½- —
tanks, dlvd. E ..... lb. .11 - —
Peru, balsam, dms ..... lb. 1.15 - 1.35
Petrolatum, amber, c.l., dms .... lb. .05½- .05⅝
l.c.l., same basis ..... lb. .06⅛- .06¼
cream, dms., c.l ..... lb. .06½- —
l.c.l., same basis ..... lb. .07¾- .08
extra amber, dms., c.l ..... lb. .05⅜- .05⅝
l.c.l. ..... lb. .06⅜- .06½
USP, white, lily, dms., c.l .. lb. .06⅞- —
l.c.l. ..... lb. .08⅛- .08⅜
snow, dms., c.l ..... lb. .07⅜- —
l.c.l. ..... lb. .08⅛- .08⅞
soft, dms., c.l ..... lb. .07⅛- —
l.c.l. ..... lb. .08 - .08⅛
yellow, soft, dms., c.l ..... lb. .05¾- .06
l.c.l. ..... lb. .06¼- .06⅝
Petroleum, crude, bulk, at wells, California bbl. 1.10 2.99
Illinois ..... bbl. 2.44 2.87
Kentucky ..... bbl 2.42 2.83
Louisiana-Arkansas .... bbl 2.08 2.90
Montana ..... bbl 1.28 2.775
Oklahoma-Kansas ..... bbl. 2.16 2.65
Pennsylvania lower field bbl. 3.67 - —
Upper field ..... bbl. 4.10 - —
Texas, East ..... bbl 2.65 —
Gulf coast ..... bbl 2.38 2.95
North, North-Central bbl. 2.23 2.65
Panhandle ..... bbl 2.23 2.65
West ..... bbl. 2.33 - 2.65
Wyoming ..... bbl 1.28 2.875
Ether, laboratory, 30°-60° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 ..... gal. .26 - —
l.c.l., same basis .... gal. .44 - —
35°-60° C, 10-gal. cans, dlvd. E .. gal. 1.50 - —
dms., c.l., Group 3 .... gal. .26 - —
l.c.l., same basis .... gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 .... gal. .26 - —
l.c.l., same basis ..... gal .44 - —
80°-160° C, ret dms., ex tax, f.o.b San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery .. bbl. 1.55 - 1.60
light, tanks, refinery .. bbl. 2.05 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.45 - —
Baltimore, Md ..... bbl. 2.18 - —
Boston, Mass. ..... bbl. 2.20 - —
Charleston, S. C. ..... bbl. 2.13 - —
Jacksonville, Fla ..... bbl. 2.12 - —
New York, N. Y. ..... bbl. 2.15 - 2.20
Norfolk, Va. ..... bbl. 2.18 - —
Philadelphia, Pa ..... bbl. 2.18 - —
Portland, Me. ..... bbl. 2.23 - —
Providence, R. I. ..... bbl. 2.175 - —
Savannah, Ga. ..... bbl. 2.13 - —
Diesel, tanks, refinery, California .. gal. .099 - .104
Pennsylvania ..... gal. .09375- .0975
Furnace, tanks, refinery, Arkansas, No. 2 .. gal. .0825- —
No. 3 ..... gal. .07875- —
Bayonne, N. J., No. 2 .... gal. .091 - —
Group 3, No. 1 ..... gal. .0875- .09
No. 1, straw ..... gal. .0875- .09
No. 2, straw ..... gal. .08125- .08625
range ..... gal. .07825- .08125
Pennsylvania, western, No. 1 gal. .10 - —
No. 2 ..... gal. .095 - .1025
No. 3 ..... gal. .095 - .0975
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles .. gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore ..... gal. .158 - —
San Francisco ..... gal. .152 - —
Seattle, Wash ..... gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .17 - —
group 3, benzol-type, tanks, refinery .. gal. .12125- .12375
toluol-type tanks, refinery, gal. .11625- .11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco .. gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-369 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery .. gal. .15 - —
group 3, tanks ..... gal. .10675- —

What about crotonic acid?

H H O
| | ||
CH_3—C=C—C—OH

Crotonic Acid, with its conjugated double bond system, is highly reactive. Its derivatives have merit as **plasticizers, polymers and copolymers, flavoring, perfumes and chemical intermediates.**

If your products include any of these compounds, or are related to them, you will undoubtedly wish to investigate Crotonic Acid. We welcome the opportunity of sending you information and samples. TENNESSEE EASTMAN CORPORATION (Subsidiary of Eastman Kodak Company) KINGSPORT, TENNESSEE.

TYPICAL REACTIONS

Esterification
R—OH (Alcohol) + CH_3—C=C—C—OH (Crotonic Acid) → CH_3—C=C—C—OR (Crotonic Ester)

Hydrohalogenation
HBr (Hydrogen Bromide) + CH_3—C=C—C—OH (Crotonic Acid) → CH_3—C(Br)H—C—C—OH (β—Bromo Butyric Acid)

Copolymerization
H—C=C—R (Vinyl Monomer) + CH_3—C=C—C—OH (Crotonic Acid) → [—C(H)(R)—C(H)(CH_3)—C(H)(C—OH)—]n (Films, Fibers, etc.)

Coupling
2 CH_3—C=C—C—OR (Crotonic Ester) + H_2S (Hydrogen Sulfide) → CH_3—C(H)(S—C(H)(CH_3)—C—OR)—C—OR (β-Thiodibutyric Ester)

Diels-Alder Reaction
H—C=C—C=C—H (Butadiene) + CH_3—C=C—C—OH (Crotonic Acid) → 1, 2, 3, 6—Tetrahydro—2 Methyl Benzoic Acid

EASTMAN INDUSTRIAL CHEMICALS

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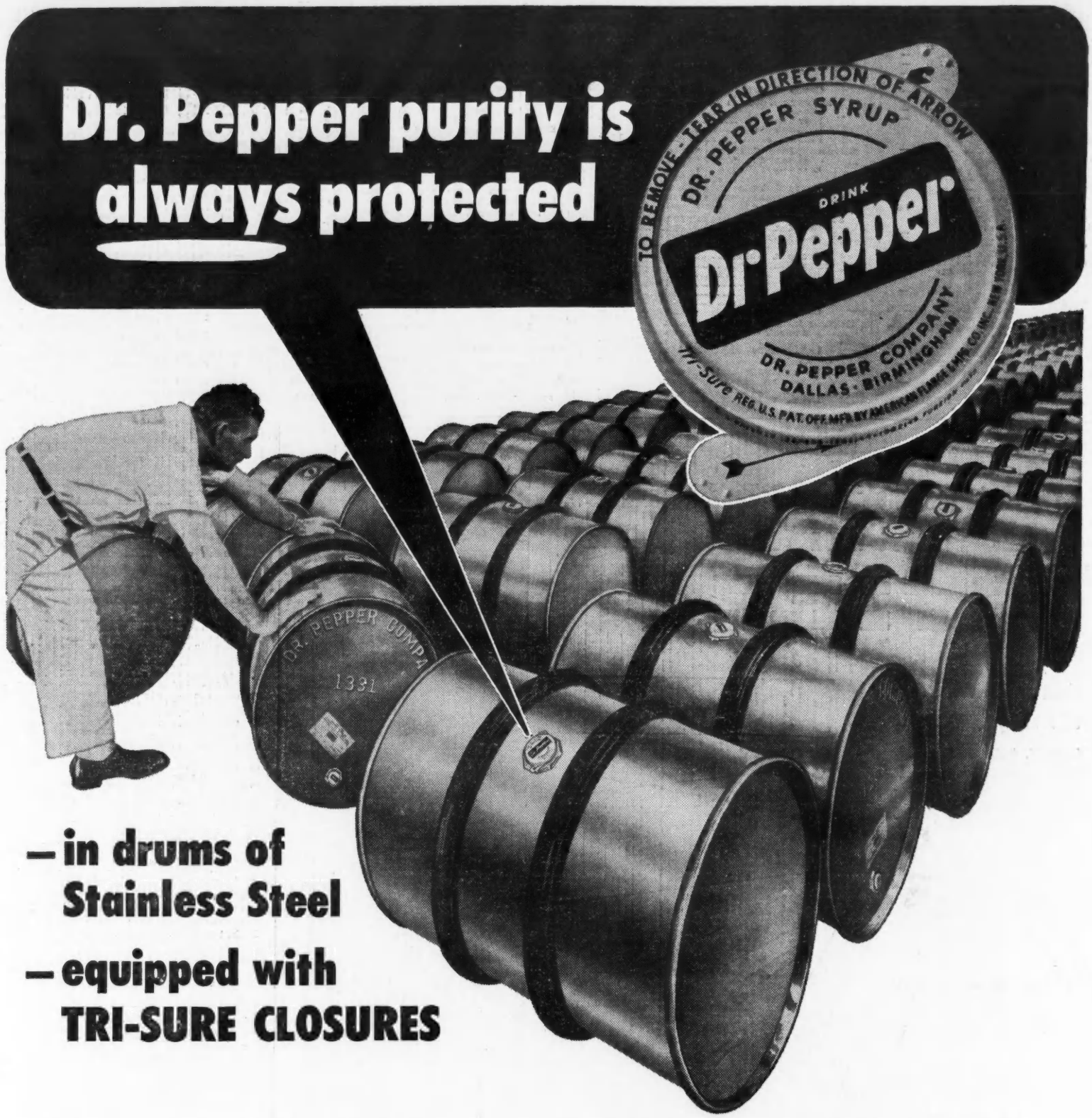
Dr. Pepper purity is always protected



—in drums of Stainless Steel

—equipped with TRI-SURE CLOSURES

Dr. Pepper syrup is shipped to 440 bottlers in all sections of the United States. And to *protect* the purity of every gallon, the Dr. Pepper Company uses only *stainless steel* drums—equipped with *Tri-Sure Stainless Steel Closures**.

Just as stainless steel provides drums that are easier to clean, sterilize and handle, Tri-Sure Closures *keep* the contents secure from leakage, tampering and contamination.

Like other shippers to whom *product purity* is paramount, the Dr. Pepper Company standardizes on Tri-Sure Closures because the *flange* is integral with the drumstock . . . the *plug* screws securely into the flange . . . and the leak-proof *seal*, made of 195-lb. plate, prevents undetected tampering.

Give this protection to *your* product—eliminate risks in *your* shipments — by specifying "Tri-Sure Closures" when you order drums.

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

*The "Tri-Sure" Trademark is a mark of reliability backed by 28 years serving industry. It tells your customers that genuine Tri-Sure Flanges (inserted with genuine Tri-Sure dies), Plugs and Seals have been used.

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Petroleum, Mineral Spirits—Pomegranate Root

Petroleum, mineral spirits, tankwagon, Baltimore gal. .18½ - —
Boston gal. .17 - —
Buffalo gal. .17½ - —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .18 - —
Providence gal. .17½ - —
Rochester gal. .19 - —
Syracuse gal. .20 - —
Washington, D C. gal. .18½ - —

Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery gal. .15 - —
Group 3, tanks gal. .11875 - —
tankwagon, Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .15 - —

high-flash 140° F. group 3 refinery, tanks gal. .13 .145
200-285 b.r., 37-38° C. mixed anilin pt., tanks, refinery or terminal gal. .21½ .23
25-26° C., m.a.p. tanks, same basis gal. .22 - .26
270-370 b.r., 78-81° C. m.a.p., tanks, same basis gal. 25 - —
49° C., m.a.p. tanks, same basis gal. .28½ - —
26-27° C., m.a.p. tanks, same basis gal. .22 - .28½
300-400 b.r., 28-32° C. m.a.p., tanks, same basis gal. .19½ - .28½
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .22 - .28½
32° C., m.a.p., tanks, same basis gal. .22 - —
36° C., m.a.p. tanks, same basis gal. .22 - —
350-425 b.r., 32° C., m.a.p., tanks, same basis gal. .27¾ - .29½

Petroleum, naphtha, V.M.&P., tanks, ref'y, California, 245-360 gal. .147 - —
b.r., Los Angeles gal. .158 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. 158 - —
East coast, N. J., N. Y., tanks gal. .16 - —
Group 3, tanks gal. .11875 - .12125
tankwagon, Boston gal. .18½ - —
Newark gal. .17½ - —
New York gal. .17½ - —
Philadelphia gal. .17 - —
Pittsburgh gal. .19 - —

Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .16 - —
Group 3, tanks gal. .11875 - —
Pennsylvania, western, tanks gal. .1225 - —

Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .165
East coast, N. J., N. Y., tanks gal. .15 - —
Group 3, tanks gal. .11375 - —
tankwagon, Boston gal. .17 - —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .14 - —
Pittsburgh gal. .18 - —
Syracuse gal. .20 - —

Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works, lb. .2040 - —
l.c.l., works lb. .2065 - —
tanks, works lb. .1850 - —

60-62% sulphonic content, non-ret. dms., works lb. .1865 - —
l.c.l., works lb. .1890 - —
tanks, works lb. .1675 - —

Petroleum sulphonate, 50-55% sulphonic content, non-ret, dms., works lb. .1590 - —
l.c.l., works lb. .1615 - —
tanks, works lb. .14 - —

Phenobarbital, USP dms. 100 lbs. lb 4.00 4.33
Phenobarbital-sodium, USP dms lb 4.00 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald E. of Rockies, lb. .1650 - —
l.c.l., same basis lb. .1725 - —
tanks, same basis lb. .1475 - —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1650 - —
l.c.l., same basis lb. .1725 - —
tanks, same basis lb. .1475 - —
USP, synthetic, dms., c.l., same basis lb. .17¼ - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15½ - —
tar, distilled, dms., c.l., same basis lb. .17¼ - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15½ - —
Phenolphthalein USP or yellow bbls., dms., 2,000 lbs lb 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .46 - —
over 2,100 lbs., same basis lb. .46 - —
less than 2,100 lbs., same basis lb. .50 - —
Phenylacetaldehyde solution, 50% bots lb 2.45 2.70
100% bots lb 4.00 4.75
Phenylacetamide, 125-lb dms., works, lb. lots lb 1.25 —
smaller dms., works lb. 1.30 - 1.60

Phenyl acetate, dms., 100-lb. tots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 27.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb .35½ —
l.c.l., works lb. .35 - .36½
Phenylethanolamine, dms., c.l., works lb .67½ —
l.c.l. same basis lb 68½ —
Phenylethyl acetate, dms lb 1.30 1.80
Phenylethylphenyl acetate, bots lb 3.75 4.20
Phenylhydrazin base, CP, bots lb 3.00 3.07
Hydrocnloride, commercial, kgs., works lb 1.75 —
CP bots, works lb 5.12 - —
Phenylisocyanate, dms., frt. equald, lb. 1.25 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone)
Phloroglucinol CP fib dms, works lb. 15.00 -15.75
commercial, fib, dms., works lb. 6.40 - —
tech., fib., dms., works lb. 9.40 - 9.65
Phosgene (50 lb cyls. works lb 20½ —
Phosphate defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 35.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68% b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum bulk, c.l., mines, short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines, short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum mines, short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations
Tennessee, brown, run of mine, unground, 27-28% P_2O_5, c.l., mines long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous, cs., works lb. .42 - —
dms., works lb. .39 - .40
Yellow cns lb. .30 .37
dms. c.l lb 26 —
Oxychloride, dms., works lb. .14 - .17
Pentasulphide, dms., c.l., works. lb. .12 - —
l.c.l., dms., works lb. .13 - .14
Pentoxide dms. c.l., works lb. .12 - —
c.l. works lb 13 14
Sesquisulphide tins, cs., works. lb. .23 .29
dms export lb 33½ 36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - .18
Phthalic annydride bgs. c.l. works, frt. equald lb. .17½ - .20½
l.c.l., same basis lb. .18½ - .21½
tanks, same basis lb. .17 - .18½
Bbls ½c per pound higher.
Phthalimide, bbls. works lb 1.10 1.37
Pichi leaves, bgs lb. .08 .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF bots oz. 5.25 - —
Nitrate, USP, bots., vials oz 5.10 —
Pimento, Jamaica, bgs lb. .24½ - .25
Pinetar, retort, dms, incl., c.l., works, South lb. .051 - —
l.c.l., same basis lb. .0534 - —
whse., N Y.C. lb. .0678 - —
tanks, works, South lb. .041 - —
Pinkroot, bls lb. 1.75 - 1.90
Piperidine, 95% min. frt equald, lb 1.65 —
98% dms. same basis lb 1.75 —
Piperazine hexahydrate, bbls kilo 12.50 -13.25
Pipsissewa herb (see Prince's pine)
Pitch, burgundy, domestic, dms. inc., works, South, 1 to 4 dms lb. .08 - —
5 to 19 dms lb. .0775 - —
10 or more dms lb. .0755 - —
whse., N.Y.C., 1 to 4 dms lb. .0892 - —
5 to 19 dms lb. .0867 - —
20 or more dms lb. .0847 - —
Coaltar, 150° F. m.p., bbls., c.l., works ton. 34.00 -37.00
l.c.l., works ton. 37.00 -41.00
Cottonseed dms., works lb .05 .07
Hardwood, paper bgs. c.l. works. lb. .02 - —
Linseed, dms. lb. .06 Nom.
Petroleum (see Asphaltum Mexican Texas)
Pine, dms., dms inc., l.c.l., works, South 100 lbs. 3.75 - —
Soybean dms works lb 04½ 05
Tall, dms., works lb. .03 - .03½
Plaster of paris (see Gypsum)
Platinum metal, works oz. 90.00 -93.00
Pokeroot, bls. lb. .15 - .18
Pleurisy root, bls lb .25 .26
Podophyllin, NF dms lb. 12.45 —
Polyoxyethylene sorbitan monostearate dms. 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works lb. .47 - .49
tristearate, dms. 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs. frt alld lb. .30 .31
20,000-29,999 lbs. same basis lb. .31 .31½
10,000-19,999 lbs. same basis lb. .31½ .32
200-9,999 lbs. same basis lb. .32 .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs. same basis lb. .31 - —
10,000-19,999 lbs. same basis lb. .31½ - —
200-9,999 lbs. same basis lb. .31½ - —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs. same basis lb. .28 .29½
10,000-19,999 lbs. same basis lb. .29 .30½
200-9,999 lbs. same basis lb. .29 - .30½
standard, bgs. over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs. same basis lb. .28 - —
10,000-19,999 lbs. same basis lb. .29 - —
200-9,999 lbs. same basis lb. .29 —
Polystyrene in non-returnable fiber dms. ½c per lb higher.
Pomegranate root bark, bgs lb. .60 - .65

You Enhance the "Best Seller" Potentials of Your Product When You Package It In

WIRZ Tubes

clean-attractive-strong-safe self-dispenser for creams, pastes, greases, powders, liquids

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Tin Tubes
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Lead Tubes
Appli-Tubes (Reg. U. S. Pat. Off.)
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Lacquer & Wax Linings
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Applicator Tips
Household Can Spouts
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Custom Molding — Compression-Injection

Just as the sturdy, uniform walls of Wirz Collapsible Tubes protect your product down to the last bit, so the bright long-lasting colors of these attractive tubes carry your sales message to your consumers with all its original force. These Wirz characteristics step up the sales potential of your products.

Wirz Tubes are kept to these high quality standards by continuing tests under more severe strains than your product is ever likely to meet in every-day use.

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America's Pioneer — ESTABLISHED 1936 — A. H. WIRZ Inc. — Tube Manufacturer

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Collapsible Metal Tubes • Lacquer Linings • Wax Linings • Westlite Closures • Soft Metal Tubing • Household Can Spouts • Applicator Pipes • Compression and Injection Molding

Poppy flowers, bls	lb.	.85 -	.90
Seed, Argentine, bgs.	lb.	.15½-	.16
Czech, bgs.	lb.	.17	Nom.
Dutch, bgs.	lb.	.17¾-	.18
afloat, bgs	lb.	.18 -	—
Polish, bgs	lb.	.16	Nom.
Turkish, bgs., afloat	lb.	No prices.	
Potash, caustic, low-chloride, flake, 88% basis 90% KOH, dms., c.l., works	100 lbs.	10.00 -	—
t.c.l., works	100 lbs.	10.75 -	—
liquid, 45%, dms., c.l., works, t.c.l. works	100 lbs.	5.125 -	—
tanks, works	100 lbs.	4.30 -	—
solid, 90% dms., c.l., works	100 lbs.	9.40 -	—
t.c.l., works	100 lbs.	10.15 -	—
regular, flake 88-92%, dms., c.l., works	100 lbs.	8.50 -	—
t.c.l., works	100 lbs.	9.25 -	—
liquid, 45% basis, dms., c.l., works	100 lbs.	3.875 -	—
t.c.l., same basis	100 lbs.	4.65 -	—
tanks, same basis	100 lbs.	3.55 -	—
solid 88-92% dms. c.l., works,	100 lbs.	7.90 -	—
t.c.l., same basis, works,	100 lbs.	8.65 -	—
Potassium abietate, dms	lb.	.08 -	—
Acetate, dms	lb.	.31	.36
Bicarbonate, USP gran dms	lb	20	22
powd. dms	lb	22	24
Bichromate, bgs., c.l., works	lb.	.14 -	—
t.c.l., same basis	lb.	.14¼-	.15
Potassium bichromate in drums ¾c higher.			
Bitartrate (see Cream of tartar)			
Borate, gran, bbls. c.l. works	ton.	212.00 -	—
ton lots, ex whse	ton.	275.00 -	—
less ton lots, ex whse	ton.	280.00 -	—
Bromate, bbls., 1,000 lbs. or more	lb.	.50 -	.52
25-200-lb. lots	lb.	.55 -	.57
Bromide USP cryst. gran., bbls., kgs	lb.	.34 -	.37
Carbonate, tech., calcined, bbls., c.l., works	100 lbs.	8.25 -	—
t.c.l., same basis	100 lbs	9.30 -	—
hydrated, 83-85%, bbls., c.l., works	100 lbs.	6.75 -	—
t.c.l., works	100 lbs.	7.50 -	—
USP, gran., bbls. dms	lb	16½-	.18
powd. bbls. dms	lb.	21	.23
Chromate, tech., bgs.	lb.	.32 -	.36
Chlorate, cryst., dms. c.l., works,	lb.	.089	—
t.c.l., works	lb.	.0915-	.1015
powd., dms., c.l., works	lb.	.094 -	—
t.c.l., works	lb.	.0965-	.1065
export, dms. 1 to 10 tons, ex whse	lb.	.12	—
NF gran dms	lb	31	33
Chloride, USP, cryst., dms	lb.	26	.27
gran., dms	lb.	.20 -	.22
powd., dms	lb.	.29 -	.32
Citrate, USP, gran., dms	lb.	.37½-	.38½
powder dms	lb	40½	41½
Cyanide, dms works	lb	52½-	.55
Fluoride, dms. works	lb	24	—
Gluconate, dms.	lb.	75	.79
Glycerophosphate, 75% solution, cbys	lb.	2.15 -	2.25
Guaiacol sulphonate, NF, dms	lb.	1.80 -	1.85
Hydroxide, tech. (see Potash caustic).			
USP pellets, jars	lb	.33 -	—
Hypochlorite, liquid, cbys., dms., works	100 lbs.	3.50 -	—
Hypophosphite, NF, ton lots and less, fib. dms	lb	90	.93
Iodide, dms	lb.	2.15 -	2.20
Manure salt, 22% K_2O, bulk, mines	unit-ton	.21 -	—
Metabisulphite gran. bbls	lb	.21 -	—
powd. bbls	lb	25	—
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M.	unit-ton.	.42 -	—
Trona, Cal.	unit-ton.	.50½-	—
50-51 K_2O, paper bgs., Carlsbad, N. M.	ton.	25.00	-25.50
Nitrate (see Saltpeter)			
Oxalate, neutral, tech., fine gran., bbls., dms	lb.	.30 -	.32
purified, dms	lb	42	.44
Perchlorate, dms., t.c.l.	lb.	.14 -	.15
kgs. c.l., works	lb	.13½-	—
Permanganate, tech., dms., works,	lb.	.22½-	.23½
USP, dms., works	lb.	.24¾-	.25¼
Persulphate, dms., c.l., works	lb.	.17 -	—
Phosphate tetrabasic, bbls. wks.	lb.	.13	.13½
Prussiate, red, kgs	lb.	.60 -	.63
yellow, bbls	lb	21 -	—
kegs	lb	26 -	—
Ricinoleate tech., bbls	lb	11 -	—
Silicate, glass, bgs., c.l., works,	100 lbs.	14.70 -	—
t.c.l.	100 lbs.	15.20 -	—
solution, 29° Be., ret. dms., c.l., works	100 lbs.	4.50 -	4.55
t.c.l., 5 dms. or more, works	100 lbs.	5.25 -	6.30
30° Be., ret. dms., c.l., works	100 lbs.	4.70 -	—
t.c.l., works	100 lbs.	5.20 -	—
32.5° Be., ret. dms., c.l., works	100 lbs.	4.85 -	—
t.c.l., works	100 lbs.	5.35 -	—
40° Be., ret. dms., c.l., works	100 lbs.	5.35 -	—
t.c.l., works	100 lbs.	5.85 -	—
40.5° Be., ret. dms., c.l., works	100 lbs.	6.00 -	6.75
t.c.l., 5 dms., or more, works	100 lbs.	6.75 -	7.50
1-4 dms., works	100 lbs.	7.25 -	7.90
Silicofluoride, bbls. works	lb	07	.08
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%	ton.	36.25 -	—
NF, cryst., dms	lb.	.31 -	.33
gran., dms	lb.	18½-	—
powder, dms	lb.	.16 -	.16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).			
Thiocyanate, NF, cryst., dms	lb.	.75 -	.81
tech. works	lb	45	.50
Titanate ctns. c.l. works	lb.	.12	—
5 tons, works	lb.	.12¼-	—
1 ton or less, works	lb.	.12½-	.12¾
Potassium-magnesium sulphate, bulk, works, basis 40% K_2SO_4, 18% MgO	ton.	16.00 -	—
Potassium-sodium tartrate (see Rochelle salt)			
Potassium-titanium fluoride, fib. dms., works	lb.	.45 -	.58
Potassium-titanium oxalate bbls., kgs	lb.	.65 -	.70
Potassium-zirconium fluoride, fib. dms. c.l., works	lb.	.50 -	—
t.c.l., works	lb.	.52½-	.55
Pregnenolone bots.	gm	2.50 -	—
Acetate, bots	gm.	2.50 -	—
Prickly ash bark bls.	lb	.23	.25
Berries, bgs.	lb.	.60 -	.70
Prince's pine herb, bls.	lb.	.50 -	.55
Procaine hydrochloride, USP, dms., contract 1,000 lbs. or more, works	lb	3.75	4.50
spot	lb.	4.00 -	5.00
Progesterone, USP, 100 gms., bots	gm.	4.50 -	—
Propane, commercial grade tanks, group 3	gal.	.03 -	—
Propionaldehyde, dms., c.l., works	lb.	.28½-	—
t.c.l., works	lb.	.29½-	—
tanks, works	lb	.25 -	—
Propyl aldehyde (see Propionaldehyde)			
Parahydroxybenzoate, USP dms	lb	2.30	2.40
Propylene dichloride, dms., c.l.	lb	.08½-	—
t.c.l.	lb	.09½-	—
smaller containers, t.c.l.	lb.	.12½-	—
tanks	lb.	07 -	—
Propylene oxide, dms., c.l., frt. alld. E	lb.	.18½-	—
t.c.l. frt alld E	lb.	.19½	—
tanks, frt. alld. E	lb.	.16½-	—
Propyleneglycol, NF, dms., c.l., frt. alld., E	lb.	.19¼-	—
t.c.l., same basis	lb.	.20¼-	—
tanks, same basis	lb.	.17½-	—
tech., dms., c.l., frt. alld. E	lb.	.18¼-	—
t.c.l., same basis	lb.	.19¼-	—
tanks, same basis	lb.	.16½-	—
Methylether, dms., c.l., frt. equald	lb.	.19¾-	—
t.c.l., same basis	lb.	.20¾-	—
tanks, same basis	lb.	.18¼-	—
Propylthiouracil bots. 50 kilos or more	kilo.	55 00	—
smaller lots	lb	55 10	-55 30
Psyllium seed, black, bgs	lb.	.23 -	.23½
blonde, bgs.	lb.	.18 -	.20
husks, bgs	lb.	.65	66
Pulsatilla herb, bls	lb.	.40 -	.50
Pumice, dom., grd. coarse, 0½, 1, 1½, 2, 3 bgs., ton lots.	lb.	.03½-	.04
smaller lots	lb.	.03⅞-	.04¼
Italian, silk-screen, coarse, bgs., ton lots	lb.	.05½-	—
fine, bgs., ton lots	lb.	.04 -	—
sun dried, coarse, bgs., ton lots	lb.	.02½-	—
fine, bgs., ton lots	lb	.02½-	—
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed bgs	lb	18	26
Purple lake see Red:			
Pyrethrum concentrate, dewaxed, 20%: for aerosol bombs, dms works	lb	11.00	-11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc. odorless base, dms., works	gal	9.50 -	—
regular base dms. works	gal	9.40 -	—
Pyrethrum concentrate, liquid, 30 to 1 base, 3 grams pyrethrins per 100 cc, odorless base, bbls., works	gal.	14.15 -	—
regular base dms works	gal	14 05	—
flowers, fine-grd. 0.9% pyrethrins, bbls. works	lb.	42	.44
powder 1.3% pyrethrins, bbls., works	lb	56	.65
Pyrethrin, synthetic (see Allethrin)			
Pyridin, denaturing, dms., c.l., works, and frt. equald	gal.	2.47 -	—
t.c.l., same basis	gal.	2.50 -	—
ref., 2°, non-rel dms., c.l., same basis	lb.	.89½-	1.04½
t.c.l., same basis	lb.	.90 -	1.05
Pyridoxine hydrochloride, 100-gram bots	gram.	.55 -	—
Pyrites Spanish c.i.f. Atl ports	long-ton	8.00 -	—
Pyrocatechol (see Catechol).			
Pyrophyllite standard, 200 mesh, bulk c.l. mines	ton	11 00	11 50
230 mesh bulk c.l. mines	ton	12 00	12.50
325 mesh bulk c.l. mines	ton	15 00	—
No 3 200 mesh bulk c.l. mines	ton	9.50	—
insecticide grade 200 mesh, bgs. c.l., mines	ton	12 00	12.50
rubber grade 140 mesh bgs. c.l., mines	ton.	10.00	-10 50

Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin, USP, bots	lb	9.54 -	—
Scrap, opaque, amber, cs., works.	lb.	.17 -	—
black cs. works	lb.	14 -	—
gray, cs., works	lb.	13 -	—
mixed, mottled, cs., works.	lb	12 -	—
Pyroxylin, scrap, white, china, ivory, cs., works	lb.	.17 -	—
dense, cs., works	lb.	16 -	—
translucent pastels cs., works,	lb	17 -	—
transparent colorless cs. works.	lb	19 -	—
colors, cs., works	lb	17 -	—
shavings opaque, amber, cs., works	lb	14 -	—
mixed, colors, cs., works	lb	14 -	—
white cs., works	lb	17 -	—

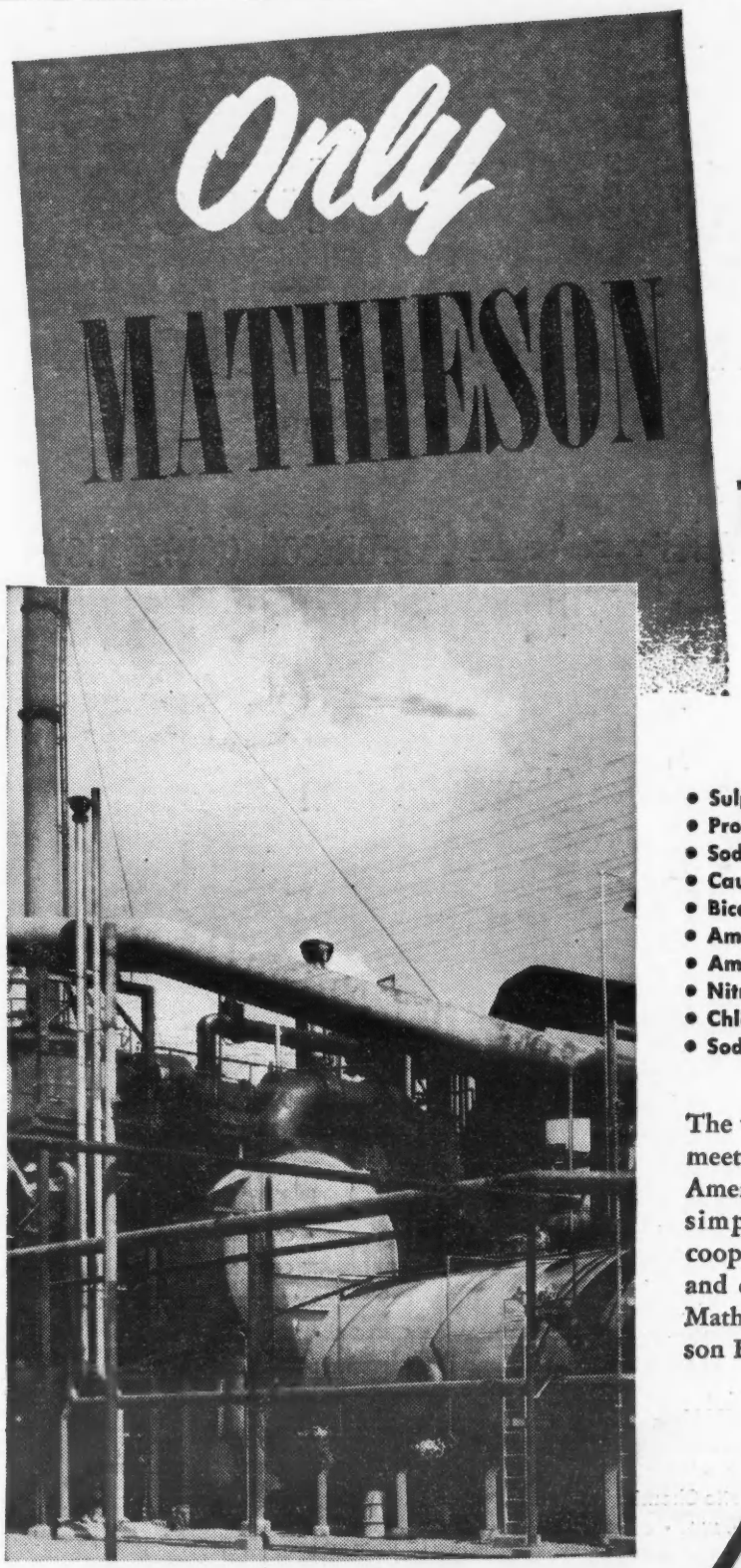
Poppy Flowers—Quince Seed

Q

Quassia chips, bls	lb	08	.09
Quebracho extract, clarified, grd., 70% tannin bgs. c.l.,	lb.	14¾	.15
liq. 35% tannin bbls. works.	lb	0[illegible]	03¼
tanks, same basis	lb	07½	—
Quebracho extract, clarified, solid, 64% tannin, bgs., c.l., duty extra	lb.	.09 -	—
powd. 70% tannin bgs. c.l	lb.	15¼ -	—
ordinary, solid, 63% tannin, bgs. c.l., ex-dock, duty extra	lb.	.08 5/16	—

Quebracho extract prices are based on $20 40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs	lb.	.18 -	.20
Quercitron crystals, bbls. t.c.l	lb	.33½	—
Extract, liquid bbls. t.c.l	lb	14½	—
solid bxs	lb	28	—
Quicksilver, flasks (76 lbs.) net	flask.	95.00	-96.00
Quince seed, bgs	lb	90	1.50



produces *all* these 10 basic chemicals

- Sulphuric Acid
- Processed Sulphur
- Soda Ash
- Caustic Soda
- Bicarbonate of Soda
- Ammonia
- Ammonium Sulphate
- Nitrate of Soda
- Chlorine
- Sodium Chlorite

The wide variety of Mathieson products meets the basic chemical demands of American industry—with the benefits of simplified, centralized purchasing, cooperative, economical traffic control, and chemicals of high purity standards. Mathieson Chemical Corporation, Mathieson Building, Baltimore 3, Maryland.

Mathieson CHEMICALS

SERVING INDUSTRY, AGRICULTURE AND PUBLIC HEALTH

Quinidine—Silica Tetrachloride

Quinidine, NF V cryst., cns oz 1.90 - —
powd. precip., cns oz 1.85 - —
Sulphate, USP, cns oz 1.25 - —
Quinine, NF cns., 100 ozs oz. 70 - —
Bisulphate, USP cns., 100 ozs oz. 51 - —
Dihydrochloride, USP, cns oz. .70 - —
Ethylcarbonate, NF cns. 100 ozs. oz. 75 - —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF cns. 100 ozs oz. 76 - —
Salicylate, NF, ctns., 100 ozs oz. 66 - —
Sulphate, USP cns., 100 ozs oz. 56½- —
Quinine-urea hydrochloride, NF, cns oz. .68 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- .51¼
l.c.l., same basis lb. .51¼- .51¾
tanks, same basis lb. .50 - —

R

R salt, paste, dry basis, dms., frt. alld lb. .83 - —
Raspberries, dried, bbls lb 1.60 - 1.70
Red, alizarin conc., bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.60 - —
Prices ½c. per lb higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd Denver, Pueblo, Salt Lake City, Wichita
Red, cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.50 - —
light shade, bbls., same basis, lb. 3.65 - —
medium shade, bbls., same basis lb. 3.75 - —
medium light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.30 - —
lithopone, deep shade, bbls., same basis lb. 1.50 - 1.55
light shade, bbls., same basis lb. 1.40 - —
maroon shade, bbls. same basis lb. 1.55 - 1.65
medium shade, bbls., same basis lb. 1.50 - —
medium-light shade, bbls., same basis lb. 1.45 - —
orange-red shade, bbls., same basis lb. 1.25 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coal tar).
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11¼- .11¾
Iron oxide, synth., bgs lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
Red, iron oxide, special, high color, all shades, bgs. lb. .60 - —
Lake C, toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .85 - —
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls. works lb 1.10 - —
Iron oxide bgs., l.c.l., works lb .04 - —
MNPT toner kgs., works lb. 3.25 - —
Maroons in smaller pkgs. 5c. per lb higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb 2.00 - —
smaller lots, works lb 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red iron oxide).
Persian gulf, bgs. works lb. 06¾ .07
Para toner, bbls lb. .85 - .90
Phloxin toner (see Red, eosin toner).
Phosphotungstic rhodamine Y, kgs., works lb 4.45 - —
Pink lake, alizarin, bbls., works lb .20 - .25
Purple lake, kegs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb .25 - .28
Spanish oxide, bbls., c.l., ex dock, lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidin toner (MNPT), kgs., works, lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, bbls., bgs., works lb 03½0- —
20% bgs. works lb .0360- —
25% bgs. works lb .0410- —
30% bgs. works lb .0440- —
35% bgs. works lb .0465- —
40% bgs. works lb .0490- —
Red, vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red KB base (see chloro(4)-2-toluidine).
Red Precipitate, NF, powd., fib. dms lb. 2.19 - 2.21
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works lb. .72 - —
tech., dms., c.l., works lb. 74 - —
l.c.l., works lb 75 - —
USP, cryst., dms., works lb. 2.50 - —
powd., dms., works lb 2.70 - —
Monoacetate, NF dms lb 3.25 3.45
Rhatany root, bgs lb. 15 - .16
Rhodinol, 5-lb. cns lb. 42.00 -45.00
Rhubarb root, China, whole, cs. lb. .65 - .75
powd., bbls lb. .75 - .85
India, whole, bgs lb. .30 - .35
powdered, bbls lb. .35 - .40
Riboflavin, USP, bbls., dlvd. kilo. 125.00 —
Readily soluble, bots., dlvd. kilo. 125.00 —
Rice bran concentrate, dms., Cedartown, Ga lb. 79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .31 - —
smaller lots lb. .31½- .36¼
Rose flowers, pale, bls lb. .40 - .45
Rosemary flowers, bls lb. 1.55 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lo. .07 - .07½
Spanish, bls lb. .07¼- .07½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.00 - —
FF, dms., c.l., works 100 lbs. 5.90 - —
G, H, I, dms., c.l., works 100 lbs. 7.30 - —
K, dms., c.l., works 100 lbs. 7.30 - —
M, dms., c.l., works 100 lbs. 7.30 - —
N, dms., c.l., works 100 lbs. 7.30 - —
WG, dms., c.l., works 100 lbs. 7.35 - —
WW, dms., c.l., works 100 lbs. 7.50 - —
X, dms., c.l., works 100 lbs. 7.60 - —
Rotenone, CP, bbls. works lb. 20.00 - —
tech., bbls., works lb. 16.50 - —
Rottenstone, bgs. c.l. mines ton. 36.00 —
l.c.l. mines ton. 43.00 —
Rue herb, bls lb. .35 .40
Rutin, 10 kilos, fib. dms gram. .01¾- .02
smaller lots, fib. dms gram. .02¼- .03½
Ryania, 100% powd., bgs. works lb .20 —

S

Sabadilla seed, powd., bbls lb. .70 - —
activated ground with lime, bbls lb 40 - —
Saccharin, USP, gran., soluble, dms., 1,000-lb lots lb. 1.50 - —
smaller lots lb 1.60 1.70
powd. soluble insoluble, dms. 1,000-lb. lots lb 1.55 —
smaller lots lb. 1.65 1.85
Safflower, Egyptian, bls lb. .65 - .70
Saffron, Mexican, bls lb. 1.10 - 1.20
Spanish, USP, tins lb. 22.00 -25.00
Safrol, dms. lb. .95 - 1.10
Sage, Cyprus, bls lb. .10 - .11
Dalmatian, afloat, bls. lb. 1.20 - —
Greek, fancy, bls lb. No stocks.
Spanish, bls lb. .16 - .16¼
Syrian, bls lb. .16 - .17
Sago flour, bgs lb. .07½- .07¾
Sal soda (see Soda sal).
Saligenin, ctns lb. 14.00 -25.00
Salol, NF gran. bbls. kgs lb 1.00 —
fib. dms lb 1.02 1.03
powdered salol 10c higher
Salt, rock, burlap bgs., c.l., works, 100 lbs. 1.09 - —
l.c.l. 100 lbs. 1.30 - —
paper bgs., c.l. 100 lbs. .94 - —
l.c.l. 100 lbs. 1.15 - —
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. 1.09 - —
l.c.l., works 100 lbs. 1.20 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 17.00 - —
Saltpeter, crvst. bbls. 10 tons 100 lbs. 13.90 —
smaller lots 100 lbs. 14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 —
smaller lots 100 lbs. 10.50 -11.00
powd., bbls. 20 tons 100 lbs. 10.25 —
smaller lots 100 lbs. 11.50 -12.00
NF gran. dms lb 15¾ .17¾
Saltpeter in bags, 25c per 100 lbs. less than in barrels; in kegs $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms. lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 5.50
Santonin, NF cryst., powd. cns. kilo. No stocks.
Saponin, No. 1 cns lb. 2.45 —
Sarsaparilla root, dom., bls. lb. .30 .40
Honduras, bls lb 40 45
Mexican, bls. lb. .28 - .30
Sassafras bark, ord., bls lb .35 .40
select, bls. lb. .55 - .60
Savory, French, bls lb. .11 - .11½
Spanish, bls. lb. .10 - .10½
Saw palmetto berries, bgs. lb. .30 - .35
Scammony resin, lump, cns lb 1.95 2.20
powd., cns lb. 2.05 2.30
Root, bgs lb 11 .14
Schaeffer's salt, bgs., frt. alld. lb. .73 - —
Scopolamine hydrobromide, bots oz. 16.00 -17.00
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .26¾- —
smaller lots lb. .27¼- —
dms., 100 lbs. or less lb. .28¼- .32½
Selenium, powd., dms., dlvd. lb. 3.25 - —
Senega root, bls lb. 2.50 - 2.60
Senna leaf, Alex., half-leaf, bls lb .16 - .18
sifting, bgs. lb. .16 - .18
Tinnevelly, No. 1, bls. lb. .22 - .24
No. 2, bls. lb. .18 - .22
No. 3, bls lb. .15 - .17
powdered, bls., bxs lb. .20 - .24
Pods, bls. lb. .30 - .35
Serpentaria root, bls lb. 3.25 Nom.
Sesame seed, Chinese, white, natural, bgs lb. .16 - .16½
hulled, bgs. lb. .17½- .18
Nicaragua, hulled, bgs lb. .22 - .27
natural, bgs lb. .18½- .19
Salvadorean, bgs lb. .13 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .51½- —
bbls., 1,500-lb. lots lb. .52 - —
kgs., 1,500-lb. lots lb. .54 - —
refined, bgs., 1,500-lb. lots lb. .61½- —
bbls., 1,500-lb. lots lb. .62 - —
kgs., 1,500-lb. lots lb. .64 - —
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .49 - .50
No. 2, bgs lb. .47 - .48
Superfine, bgs., 10 bgs lb. .45 - .46
TN, bgs., 10 bgs lb. .43 - .44
Shellac in 1 to 9 bgs. 1c. more
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton. 20.00 -30.00
l.c.l., works ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
140 mesh, bgs., c.l., works ton 12.00 - —
l.c.l., works ton. 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .18½- .20½

Get these "plus" values with Wyandotte Kreelon

Free flowing flakes or powder + Guaranteed detergency

+ Lighter color + Clearer solution

+ 40% (minimum) active agent

THERE's a good chance that your products can benefit from these and other important advantages of *Wyandotte Kreelon**.

This superior detergent and wetting agent is made under rigid manufacturing specifications. It is white in color, provides maximum detergency (soil removal and whiteness retention). In addition, it dissolves faster and more completely than most other detergents.

For further details concerning the properties and applications of Wyandotte Kreelon, write us today. *Reg. U. S. Pat. Off.

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SODA ASH • CAUSTIC SODA
BICARBONATE OF SODA
CALCIUM CARBONATE • CALCIUM CHLORIDE
CHLORINE • HYDROGEN • DRY ICE
SYNTHETIC DETERGENTS • GLYCOLS
CARBOSE (Sodium CMC) • ETHYLENE DICHLORIDE
PROPYLENE DICHLORIDE
AROMATIC SULFONIC ACID DERIVATIVES
OTHER ORGANIC AND INORGANIC CHEMICALS

Wyandotte
REG. U. S. PAT. OFF.

Silver bullion, ingots, cs.....oz. .77¾- —
Cyanide, fib. dms., 2,500-oz. lots, oz. .71½- —
1,000-oz. lots.....oz. .71⅞- —
500-oz. lots.....oz. .72⅛- —
100-oz. lots.....oz. .72⅜- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .50⅝- —
1,000-oz. lots.....oz. .51⅜- —
500-oz. lots.....oz. .52¾- —
250-oz. lots.....oz. .52⅞- —
USP granular silver nitrate 4c. per oz higher
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls..... lb. .85 Nom.
Skullcap herb, Eastern, bls. ....lb. .50 - .55
Western, bls..... lb. .30 - .35
Skunk cabbage root, bls..... lb. .30 - .35
Slate flour, bgs., c.l., works....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs.....lb. .24 - .28
Smalt, black, ctns.....lb. .11½- —
Blue, ctns.....lb. .15½- —
Snakeroot, Canada, bls.....lb. .90 - 1.00
Soapbark, bls.....lb. .24 - .27
crushed, bls., bbls.....lb. .29 - .35
powd., bbls.....lb. .30 - .35
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., stock points....100 lbs. 2.85 - 4.62
bbls., c.l., works....100 lbs. 2.15 - —
l.c.l. stock points....100 lbs. 3.35 - 4.12
bulk, c.l., works....100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 2.75 - 4.52
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l. stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works....100 lbs. 1.20 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.75 - —
l.c.l., stock points....100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.53 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.65 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.65 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.75 - —
solid, 76%, dms., c.l., works 100 lbs. 3.35 - —
l.c.l., stock points....100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works....100 lbs. 1.40 - —
l.c.l., works....100 lbs. 1.70 - —
Soda-lime, USP dms..... lb. .23 - .25
Sodium acetate, anhyd., dms., works, lb. .10½- .12
NF, powder, bbls., works....lb. .08½- .09½
Alginate refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb .46 - —
NF, white, powd. dms., works, ton lots lb 1.23 - —
Aluminate, 20,000 lbs. or more, bgs 100 lbs. 8.50 - —
smaller lots..... 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .27½- —
l.c.l., dlvd.....lb. .28½- —
Arsenate, dealers, dms., c.l., works, lb. .12 —
Arsenite, dealers, dms., works lb. No stocks.
solution dms., works gal. .60 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
smaller lots..... lb. 1.30 - 1.65
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
l.c.l., works....100 lbs. 3.15 - —
powd. bgs. c.l. works 100 lbs. 2.10 - —
l.c.l., works ....100 lbs. 2.75 - —
Bichromate, bgs., c.l., works .. lb. .10½- —
l.c.l., same basis.....lb. .10¾- .11½
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13½- —
l.c.l., same basis..... lb. .14½- —
Bisulphate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., works ....100 lbs. 2.65 - —
l.c.l., works .....100 lbs. 3.15 - —
Bisulphite powd. bgs., c.l., works 100 lbs. 3.90 - —
l.c.l., works .....100 lbs. 4.15 - —
solut. 35° bbls., c.l., works 100 lbs 1.10 - —
l.c.l. works 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, jars, dms lb 7.00 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs. c.l., works..100 lbs. 2.65 - —
l.c.l., works .....100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works lb. .08 - —
l.c.l., works ..... lb. .08¼- —
powd., kgs. works ..... lb. .09½- —
Chloride, tech. (see Salt).
USP, dms ..... lb .21 - —
Chlorite, tech. dms. works lb. .75 - —
Chloroacetate, tech. dms., c.l., works lb. .20 —
l.c.l. dms. works lb 21 .22
Chromate, dms., c.l., works .. lb. .12¼- —
l.c.l., same basis.....lb. .12½- .13¼
Citrate, anhyd., dms.....lb. .60 - .65
USP VIII, anhyd., dms.....lb. .23 - .28
USP XIII, gran., dms ..... lb. .28 .32
Sodium citrate USP XIII, powd. prices ½c higher
Cyanate, dms. 1,000 lbs. works, lb 1.10 - —
smaller lots, works ..... lb 1.23 - —
Cyanide, 96-98%, dms.....lb. .17 - .19
Diacetate, 33-35% acidity, bbls., works lb. .12 - .13½
anhydrous, dms. works lb. .14 .15½
Fluoride, white, 90%, bbls., c.l., works..lb. .10¾- —
l.c.l., works ..... lb. .11 - .11¼
95%, bbls., c.l., works lb 10¾- —
l.c.l. works lb 11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb 16.50 -21.00
tribasic, ton lots lb 11.00 - —
Formate, bgs. c.l., dlvd .. 100 lbs 7.10 - —
l.c.l 100 lbs 8.15 —
Gluconate, dms lb .83 .85
Glutamate, monobasic, dms. c.l. dlvd lb. 1.60 - —
smaller quantities, dlvd ..... lb. 1.63 - —
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls ..... lb. 1.85 - 2.00
solution, 75%, cbys..... lb. 1.06 - 1.11
Hydride, dms works lb 2.00 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms. c.l., frt. alld. lb. .23½- —
l.c.l., frt. alld ..... lb. .24 - —
Hydroxide, tech. (see Soda caustic) USP, pellets, dms lb .— —

Sodium hypophosphite, NF, ton lots or less.. dms..lb. .83 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area. 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.10 - —
pea, bgs. ..... 100 lbs 3.90 4.85
gran., bgs., c.l., works.. 100 lbs. 4.00 —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
Us. se Sodium thiosulphate).
Iodide, USP, bots., dms.....lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works .lb. .24 - —
tech., 50%, dms., cbys., works, lb. .12 .14
Metaborate, octa-hydrate, gran., bgs., c.l., works..ton.78.50 - —
l.c.l., ex whse.....ton.124.50 -129.50
tetrahydrate c.l. bbls. works ton.199.50 - —
Sodium metaborate in obls. $20 per ton higher.
Metal, tanks, works..... lb. .16 - —
bricks, dms. works ..... lb. 17 - .18
Metanilate, bbls., frt. alld.....lb. .57 - —
Metasilicate, anhyd., bgs., c.l., works..100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 6.10 - —
dms., c.l. .....100 lbs. 4.85 - —
l.c.l. .....100 lbs. 6.35 - —
pentahydrate, bgs., c.l., works, frt. equald..100 lbs. 3.75 - —
l.c.l., bgs., works..100 lbs. 4.15 - 4.65
dms., c.l., works....100 lbs. 4.15 - —
bbls., l.c.l., works....100 lbs. 4.55 - —
Molybdate, anhyd., bbls., works.lb. .60 - —
Monohydrate (see Sodium carbonate, monohydrated).

Sodium naphthionate, bbls .....lb. .66 - —
Nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk c.l. works lb 45.00 - —
imp. 100-lb. bgs. c.l. Atl Gulf Pac whse ton.51.50 - —
bulk, c.l. same basis ton.48.00 - —
Nitrite, 99½% bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP, dms .... lb .21 —
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.60 - —
hydrated flake bbls. c.l. works. 100 lbs. 4.25 - —
l.c.l. works 100 lbs. 5.50 5.75
Oxalate, neut., bgs., works....lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb 3.50 - —
smaller lots lb 3.65 - —
Para-aminosalicylate, dms., 1,000-lb. lots..lb. 5.75 - 7.50
smaller lots.....lb. 5.80 - 7.80
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald..lb. .21½- —
l.c.l., same basis lb. .22½- .24½
pellets, bgs. c.l. same basis lb. .21 - —
l.c.l., same basis lb. .22 .24
Pentachlorophenate, powd., bgs., c.l., same basis..lb. .20 - —
l.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works..lb. .19¾- —
l.c.l., works.....lb. .20¾- .21¾

Silver Bullion—Sodium Salicylate

Sodium peroxide, dms., c.l., dlvd. E. of Miss..lb. .19 - —
l.c.l., same basis.....lb. .19½- .20
Phenolsulphonate, USP IX, gran., dms lb. .38 .39
powd., dms .....lb. .41 - .42
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.90 - —
l.c.l., works .....100 lbs. 7.30 - —
cryst. bgs. c.l. works 100 lbs 4.00 - —
l.c.l., works ... 100 lbs 4.40 - —
USP, dried powd. bgs., dms. works lb .19 .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works ... 100 lbs 8.20 - —
tribasic, cryst., bgs., c.l., works, frt equald..100 lbs. 3.90 - —
l.c.l., same basis 100 lbs. 4.30 - —
Sodium phosphates in obls. 40c higher than bgs
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs..... lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.50 - —
ferric, dms. 1,500 lbs., works. lb. .30 - —
smaller lots, works lb 31 - —
Pyrophosphate, tetrabasic, anhy., bgs., c.l., works, frt. equald..100 lbs. 7.05 - —
l.c.l., frt. equald..100 lbs. 7.35 - —
Salicylate, USP, dms..... lb. .61 - .63

When You Specify
SOLVAY Products
for Rayon ···
··· you get the ultimate in quality—the kind of quality you would expect from America's leading producer of alkalies. But in addition, you get the fast, dependable delivery service which can only come from a company having more than one plant ··· and over 200 local stock points from coast to coast. You also get Solvay's exclusive Technical Service ··· men trained in the textile industry.
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PRODUCTS for the Rayon Industry
CAUSTIC SODA
SODA ASH
LIQUID CHLORINE
SODIUM NITRITE
CALCIUM CHLORIDE
Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Sodium Bicarbonate • Specialty Cleansers • Sodium Nitrite
Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sodium Sesquicarbonate—Sulphur, Refined

Sodium sesquicarbonate, bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.85 - 4.25
zone 2.....100 lbs. 4.11 - 4.51
zone 3.....100 lbs. 4.40 - 4.70
zone 4.....100 lbs. 5.11 - 5.50

Sales zones are: (1) All States E. of Miss. R. and N of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn., Mo (except St. Louis), Neb., E. of 98° N. C. S. C., Tenn and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La and Miss No of 31°; (3) Ark W of 96° Kan. Neb. W of 98°; N. D., Okla., S. D., Tex. W of 100° (including Wichita Falls excluding El Paso); (4) Ariz. Colo., Idaho Mont. Nev., N. M., Utah Wyo. and El Paso Tex

bbls. c.l. works lbs. 3.45 - —
Sesquisilicate, anhy. dms., c.l., works .100 lbs. 5.50 - —
l.c.l., works .....100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.20 - —
l.c.l., works.....100 lbs. 1.55 - 1.85
tanks, works.....ton.19.00 - —
52°, turbid., dms., c.l., works 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
tanks, works .....ton.37.00 - —
solid, bgs., works.....ton.35.60 - —
Silicofluoride, bbs., c.l., works lb. .04½- —
l.c.l., works lb. .049 - —
Sodium stannate, dms., works, frt. alld. E..lb. .685 - .742
Stearate, USP, anhyd., bbls., work lb. .51 - .56
Sulphanilate, bbls., works ....lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16½
tech., anhyd., bgs., c.l., works. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls .....lb. .17 - .19
gran., bbls. .....lb. .17 - .17½
Sulphide, flake, bbls., c.l., works, frt. equald..100 lbs. 4.50 - 5.00
l.c.l., same basis.....100 lbs. 5.00 - 5.75
fused, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.50
l.c.l., same basis....100 lbs. 4.50 - 5.00
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works ..100 lbs. 6.75 - —
l.c.l., same basis..... 100 lbs. 7.25 - —
regular, crystals, bgs., c.l., works..100 lbs. 4.10 - —
l.c.l., works ..... 100 lbs. 4.75 - —
bbls., c.l., works..... 100 lbs. 4.50 - —
l.c.l., works ..... 100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate bbls .....lb. .51 - .61
Sodium sulphydrate, flake, 70-72%, dms., works, c.l..lb. .05¾- —
l.c.l., works.....lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works. lb. .03 - —
l.c.l., works.....lb. .03¼- —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works..... lb. .30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls .....lb. .10 .12
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works .....lb. .10¼- —
1 ton or less, works.....lb. .10½- .11
Trichloroacetate, dms. .....lb. .46 - .55
Tripolyphosphate, bgs. c.l. works, frt. equald.....100 lbs. 7.55 - —
l.c.l., same basis.....100 lbs. 7.95 - —
Tungstate, tech., kgs., dlvd., East lb. 1.50 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd..lb. .24½- —
l.c.l., same basis.....lb. .25 - —
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works..lb. .28 - —
less 1,000 lbs. same basis .lb. .30 - —
Solvent naphtha, coaltar tanks, works..gal. .28 - .31
high-flash, tanks, works...gal. .28 - .31
Solvent naphtha, petroleum, 100° F., flash, tanks, Baytown, Tex..gal. .28 - —
Bayonne .....gal. .32 - —
150° flash, tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works..lb. .31 - .33
10,000 to 20,000 lbs., works..lb. .33 - .34
smaller lots, works.....lb. .36 - .39
tristearate, fib. dms., 20,000 lbs. works..lb. .31 - —
10,000 to 20,000 lbs., works..lb. .33 - —
smaller lots, works.....lb. .36 - .38
Sorbitol, cryst. polleta. dms., c.l., works lb. .30 - —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works..lb. .24¼- —
ton lots, works.....lb. .25¼- —
less ton lots, works....lb. .26 - —
tanks, works.....lb. .23½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. 15½- —
Soybean meal, 41% bulk, Decatur. ton.56.50 - —
50% same basis .....ton.65.00 - —
protein, chemically isolated, 40,000 lbs., dlvd lb. .24 - —
20,000 lbs., same basis...lb. .24½- —
smaller lots, same basis..lb. .24½- .28
mechanically refined, bgs. 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis .. lb. .0615- —
smaller lots, same basis .lb. .0630- —
Sparteine sulphate, ctns .....oz. .85 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls .....lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
Squaw vine leaves, bls. .....lb. .35 - .40
Squill, red, fortified, powd., bbls. boxes lb. 1.60 —
White, bls.....lb. .12 - .14
powd., bbls., bxs. .....lb. .16 .18
St. Ignatius beans, bgs .....lb. No stocks.
St. John's bread, edible, bls. ....lb. .11 - .13
Stainless steel flake, dry, dms., works lb. 1.50 —
paste, dms., works.....lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 6.12 - —
Chicago .....100 lbs. 5.47 - —
l.c.l. .....100 lbs. 6.27 - —
powd., paper bgs., c.l....100 lbs. 6.23 - —
Chicago .....100 lbs. 5.58 - —
l.c.l. .....100 lbs. 6.38 - —
Prices for corn starch in cotton bags, 12c. to 13c per 100 lbs higher.
Potato, Idaho, bgs., c.l., works..lb. .05 - —
Maine, bgs., c.l., works.....lb. .05 - —
l.c.l., spot.....lb. .07½- .07¾
Rice, bgs. .....lb. .10¾- .11
Sweetpotato bgs., c.l.....lb. No stocks.
Wheat, bgs. .....lb. .0660- .0710
Stavesacre seed, bgs .....lb. .80 .91
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .....lb. .35 .38
Stoneroot, bls .....lb. .07½ .08
Storax, USP in .....lb. 1.50 1.60
Stramonium leaves, bgs. .....lb. .20 - .22
Seed, bgs .....lb. .20 .21
Streptomycin, hospitals, vials gram. .60 —
wholesalers, vials gram. .48 —
Strontium bromide NF ctns., dms., lb. .67 - —
Carbonate, 90% dms .....lb. 15½- .16¼
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., works .....lb. .50 —
Iodide, jars, 25 lbs.....lb. 3.37 - —
Nitrate, bbls., c.l., works.....lb. 09¼ —
l.c.l., works .....lb. 10¼- —
Oxalate, bbls., works .....lb. 42 44
Salicylate, NF, dms.....lb. 1.65 - —
Sulphate, air-floated, 90% 325 mesh, bgs., works ton.56.70 66.15
Strontium calcium sulphide phosphorescent, dms., works lb. 2.50 2.85
Strophanthin NF, bots .....oz.39.00 —
Strophanthus seed, Kombe, bgs .lb. 3.00 3.25
Strychnine NF, powd., ctns., 100 ozs. oz. 1.25 —
Phosphate NF, 100 ozs .....oz. 1.14 —
Sulphate, USP, powd., ctns., 100 ozs .....oz. 1.00 —
Styrene monomer, dms., c.l., works lb. .19¼- —
l.c.l., works.....lb. .20¼- —
tanks, works .....lb. .18 - —
Styrofy acetate, bots .....lb. 2.50 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 —
tech., bbls., c.l., works lb. .55 —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms .....lb. 4.25 4.60
Sulphabenzamide-sodium, dms .....lb. 4.25 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 11.75
microcrystals, 99%, not over 10 microns, dms lb.10.50 11.00
powder lb.10.25 10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 12.75
powder lb.11.25 11.75
Sulphaguanidin, USP, dms .....lb. 4.50 5.00
Sulphamerazin, USP, micro crystals, 99.9% not over 10 microns, dms lb.10.55 11.05
powder, dms lb.10.25 10.75
Sulphamerazin-sodium, USP, dms., ...lb.11.25 11.75
Sulphamethazine, micro crystals, dms..lb. 8.80 - 9.30
powder, dms .....lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing, dms..lb. 1.40 - 1.60
microcrystals, dms. .....lb. 1.55 - 1.75
powder, dms.....lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms..lb. 8.05 - 8.25
Sulphapyridin, NF, powd., bots., dms. .....lb. 7.00 7.50
Sulphapyridin-sodium, powd., bots., dms .....lb. 7.50 8.00
Sulphathiazole, USP, crystals, free flowing, dms..lb. 4.00 - 4.50
micro crystals, 99.9% not over 10 microns, dms..lb. 3.75 - 4.05
powder, dms. .....lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms. .....lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines..100 lbs. 1.83 - —
bbls., mines .....100 lbs. 2.50 - —
lump, bgs., mines.....100 lbs. 1.70 - —
bbls., mines .....100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract long ton.22.00 - —
f.o.b. vessels, Gulf ports, export, long ton.25.00 - —
domestic and Canada long ton.23.50 - —
refined, flowers, USP, bgs., mines, 100 lbs. 2.75 - —
bbls. .....100 lbs. 3.35 - —
flour, light, bgs., mines..100 lbs. 3.35 - —
bbls., mines .....100 lbs. 4.25 - —
lump, bgs., mines.....100 lbs. 2.90 - —

SPECIFY V-C CHEMICALS

PHOSPHORIC ACIDS

PHOSPHORUS

CALCIUM PHOSPHATES

DISODIUM PHOSPHATE

TRISODIUM PHOSPHATE

TETRASODIUM PYROPHOSPHATE

SODIUM TRIPOLYPHOSPHATE

SODIUM METASILICATE

LIQUID SODIUM SILICATES

NICOTINE

TETRA ETHYL PYROPHOSPHATE

OTHER NEW ORGANIC PHOSPHATE CHEMICALS—on a pilot plant basis—will be announced from time to time

VC CHEMICALS

VIRGINIA-CAROLINA CHEMICAL CORPORATION
Chemicals Division: 401 East Main St., Richmond 8, Virginia

Sulphur, refined, rolls, bgs., mines, 100 lbs. 3.35 - —
bbls., mines 100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines 100 lbs. 3.05 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 2.15 - —
bbls., mines 100 lbs. 3.30 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 3.40 - —
refined, bgs., mines 100 lbs. 2.75 - —
bbls., mines 100 lbs. 2.80 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.80 - —
10% pine tar treated, bgs., mines 100 lbs. 3.65 - —
washed, NF, bot lb. .31 - —
Chloride, mono., 55-gal. dms., c.l., frt. equald lb. .03¼ - —
l.c.l., same basis lb. .04¼ - —
tanks, same basis lb. .03 - —
Dioxide liquid com'l, cyls., works lb. .09 - —
multi unit cars works lb. 0535 - —
tanks works lb 045 - —
refrigeration, cyls., l.c.l., dlvd lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex-dock ton 80.00 Nom.
Extract, No. 1, bbls., 25% lb. .12½ - —
No. 2, bbls., 25% lb. .11 - —
crystals, bbls lb. .44 - —
stainless, bbls lb. .14 - —
Leaf, 28% grd., bgs., ex-dock, short ton 84.00 - —
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Balto. unit-ton. .76 - —
Carteret, N. J. unit-ton. .70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .84 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, imported, bls lb. .90 - 1.00
Californian, bgs lb. 1.15 - 1.20

T

2,4,5-T, tech. acid, dms., c.l. works, lb. 1.50 - —
l.c.l., same basis lb. 1.55 - —
isopropyl ester, tech., dms., c.l., works lb. 1.60 - —
l.c.l., same basis lb. 1.65 - —
Talc, dom. ordinary, grd., Calif., bgs., c.l., works ton 25.00 -35.00
Vermont, bgs., c.l., works ton 14.00 —
l.c.l., works ton 17 50 —
fibrous, New York, off-color, grd., bgs., c.l., works ton 24.00 —
l.c.l. ton 26 50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton 25.00 - —
l.c.l., works ton 27.00 - —
imp. Canada grd., bgs., c.l., mines ton 12.50 -35 00
Tallow, edible, dms., c.l. lb. .16½ Nom.
inedible, extra, loose, c.l., dlvd. lb. .12½ - —
fancy, loose, c.l., dlvd lb. .12¾ - —
special, loose, c.l., dlvd lb. .11¾ - —
sulphonated, 25% dms lb. .09 - .09½
50%, dms. lb. .11½ - .12
Tamarind, W. I. bbls lb. .10 - .15
kegs keg 10 00 - —
Tankage, animal feeding, 9-11% am mon., bulk unit-ton. 8.25 - —
Chicago unit-ton. 8.75 - —
Tansy leaves, bls lb. .28 - .30
Tapioca flour, high grade, bgs lb. .07½ - .07¾
medium grades, bgs lb. .07 - .07¼
low grades, bgs lb. .06¼ - .06¾
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .45½ - —
l.c.l., same basis gal. .47½ - —
tanks, same basis gal. .35½ - —
25-28%, dms., c.l., same basis, gal. .52½ - —
l.c.l., same basis gal. .54½ - —
tanks, same basis gal. .42½ - —
50-53%, dms., c.l., same basis, gal. .70 - —
l.c.l., same basis gal. .72 - —
tanks, same basis gal. .60 - —
Tar, coal (see Coaltar).
Pine (see Piretar).
Tara pods, bgs. c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton 225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .49 - —
dms. lb. .50 - .54
USP, powd., bbls., dms., kgs lb. .52 - .53
Terpin hydrate, com'l, bbls., c.l lb. .24½ - —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ - —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works, lb. .19½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½ - .70½
prime, dms lb. .39 - .50
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots., gm. 3.75 - —
Propionate, USP, 100 gms., bots., gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ .21½
smaller dms., works lb. .23½ .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works, lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. 51½ - —
l.c.l., works lb. 52 - —
tanks lb. 50 - —
Tetrapotassium phosphate (see Potassium phosphate)
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb 12.50 -15.00
sulphate, 99% bots., dlvd lb 10.50 -13.00
Theobromine, fib, dms lb. 5.25 5.32
Salicylate, fib, dms lb. 4.40 - 4.45
with sodium acetate, USP, dms lb. 4.05 - 4.10
Sodio-salicylate, fib, dms lb. 3.30 - 3.35
Theophylline, anhyd., or USP, 100-lb. dms lb. 5.50 - 6.00
Thiamine hydrochloride, USP, bots., 100 grams kilo 160 00 —
Mononitrate, bots, 100 grams kilo 160 00 - —
Thiocarbanilide, dms lb .40 - .42
Thiodiphenylamine (see Phenothiazine)
Thiouracil, dms, works lb 5 50 - 6.60
Thiourea, tech., dms., c.l., works lb. .44 - —
l.c.l., works lb. .46 - —
Thurium nitrate, eg., works lb 3.50 —
Threonine, dextro - laevo, bots., 100 grams 115.00 - —

Thyme, French, bgs lb. .16 - .18
Spanish, bls lb. .08½ - .09
Thymol, kgs lb 3.50 - —
Iodide, NF, dms lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride stannous, anhyd., dms., works lb. 1.02 - 1.03
Crystals, hydrous, bgs., bbls., works lb. .82¾ - —
Metal lb. 1.36 - —
Oxide, bbls lb. 1.25 - 1.26
Sulphate, stannous, bbls lb. 1.12 - 1.13
Tetrachloride, anhyd., dms., works, lb. .73 - .74
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½ - —
l.c.l. dlvd lb 20 .20½
chalk resistant, bgs., c.l., dlvd. lb. .19½ - —
l.c.l. dlvd lb 20 .20½
regular, bgs., c.l., dlvd lb. .19½ - —
l.c.l., dlvd lb .20 .20½
rutile, natural granular, bgs., c.l. works lb. .05 - —
5-ton lots works lb. 05¼ - —
milled, bgs., c.l., work lb. .05¼ - —
5-ton lots, works lb. .05½ - —
nonchalking, bgs. c.l., dlvd E. lb. .21½ - —
l.c.l., dlvd E lb. .22 .22½
Hydride, cns. works lb 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l. dlvd lb. .07½ .07¾
l.c.l., dlvd lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac coast c.l. dlvd., l.c.l., ex whse, ½c. higher

Tetrachloride, CP, 55-gal. dms. lb. .57 - .58
smaller pkgs. works lb. .65 1.22
technical, 5-gal dms., works lb. .32 —
smaller pkgs works lb 40 1 00
Tolu balsam, cns., dms lb. 3.85 - 4.30
Toluene (see Toluol)
Tolidin base, distilled, kgs lb. 1.20 - —

Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .27 - —
Birmingham dist gal. .25 - —
Chicago dist gal. .28 - —
Cleveland district gal. .27¾ - —
Geneva, Utah gal. .21 - —
Hamilton, Ohio gal. .27 - —
Johnstown, Pa gal. .25 - —
Lackavanna, N. Y gal. .28 - —
Lone Star, Tex gal. .26½ - —
Lorain, Ohio gal. .26 - —
Minequa, Colo gal. .25½ - —
Philadelphia, Pa gal. .28½ - —
Pittsburgh district gal. .25 - —
Sparrow's Point, Md gal. .27 - —
St. Louis, Mo gal. .30 - —
Syracuse, N. Y gal. .25½ - —
Terre Haute, Ind gal. .28½ - —
Wyandotte, Mich gal. .28 - —
Youngstown, Ohio gal. .25½ - —
Petroleum, industrial 2° tanks, works—
Albany, N. Y gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill gal. .30 - —
Tolylene di-isocyanate, dms., works, lb. 4.00 - 4.50
Tonga 50% bark and vine bls lb 80 95
Tonka beans Angostura, cks lb 1.75 1.80
Brazilian cs lb 1.00 1.15
Surinam cs lb 1.00 1.15
Totaquine, 100-oz. lots, cns oz. .42 - —
Toxaphene, dms., works c.l lb 20 —
truckloads, works lb 20 —
ton to truckloads, works lb .23 —
less than tons, works lb. .26 - —

Sulphur, Refined—Triethanolamine

Triacetin, dms., dlvd lb. .45 - .46
Tributyl citrate, tech., dms lb. .31½ - —
smaller containers lb. .37 - —
Phosphate, dms. c.l. frt. alld lb 56½ - —
l.c.l., same basis lb. .57½ - —
smaller containers lb. .61½ - —
Tributylamine, dms., c.l., frt. alld. lb. 78¾ - —
l.c.l., same basis lb. 79¾ - —
tanks, same basis lb 77 - —
Trichlorobenzene, dms. c.l. works, frt. alld lb. .11½ - —
l.c.l., frt. alld lb. .12½ - —
tanks, frt. alld lb. .10 - —
Prices in the West, 1¾c. higher
Trichloroethane, dms., c.l., works. lb 13 - —
l.c.l., works lb. 13½ - —
tanks, works lb. 11½ - —
Trichloroethylene, dms., c.l., or truckload, works frt equald. lb. .11 - —
l.c.l., same basis lb. .11½ - —
tanks, same basis lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E lb. .11¼ - —
l.c.l., dlvd. E lb. .11¾ - —
tanks, dlvd. E lb. .10¼ - —
Tricholine citrate, 65% solut., ret., chys., works, frt adjusted lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
tanks, dlvd lb. .32¼ - —
petroleum, dms., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
tanks, dlvd lb. .32¼ - —
Triethanolamine, dms., c.l., frt. alld. E lb. .24¾ - —
l.c.l., same basis lb. .25¾ - —
tanks, same basis lb. .23 - —

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PAINT
PAPER
RUBBER
FLOOR COVERING
COATED FABRICS
PLASTICS
TEXTILE
CERAMICS
VITREOUS ENAMEL
GLASS
WELDING ROD
INK
LEATHER
BUILDING MATERIALS

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Facial tissues—modern cellulose counterpart of the old-fashioned handkerchief—supply an ever-growing answer to hundreds of intimate tasks.

Contributing much to the rapid public acceptance of tissues has been the ability of TITANOX pigments to impart sales-impelling appearance to these products. For example, just a little TITANOX-A-WD added to the beater significantly boosts the whiteness and opacity of facial tissues, without adversely affecting the softness of the cellulose fibers.

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TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

Triethylamine—Wax, Microcrystalline

Triethylamine, dms., c.l., works, frt. alld, E lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .36½- —
Triethyl citrate, tech., dms. lb. .27 - —
smaller containers lb. .50 - —
refd., dms lb. .71 - —
smaller containers lb. .84 - —
Phosphate dms., works, c.l. lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .22¼- —
l.c.l., same basis lb. .23¼- —
tanks, same basis lb. .20½- —
Triethylenetetramine, dms., c.l., works lb. .41½- —
l.c.l., works lb. .42 - —
tanks lb. .40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .36 - —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald., 100% basis lb. .33 - —
Trimethylhexanol, dms., c.l., works, lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works, lb. .35½- .37½
Triphenyl phosphate, bbls., c.l., frt. equald lb. .33 - —
l.c.l., frt. equald lb. .34 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli air-floated, bgs., c.l., works, lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —

Tripropyleneglycol, dms., c.l., frt. alld. lb. .25½- —
l.c.l., frt. alld lb. .27½- —
tanks, frt. alld lb. .23½- —
Trisodium fluoroacetate (see sodium fluoroacetate (tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, pharmaceutical, 1:80 dms., works lb. 5.00 - —
Tryptophane, dextro-laevo, fib. ctns., works kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms., works lb. 4.50 - 4.75
Turmeric root, Alleppey, bgs. lb. .35 - .36
Haitian, bgs lb. .10 - .10¼
Jamaica, bgs. lb. .10½- .11
Madras, bgs lb. .16 - .17
Turpentine, gum (see Naval Stores Protective Coatings market).
Wood, dest.-dist., dms., extra, c.l., works, South gal. .59 - —
l.c.l., same basis gal. .60 - —
l.c.l., whse gal. .70 - —
steam-dist., dms., incl., c.l., works gal. .50 - —
l.c.l., works, South gal. .56 - —
ex whse., NYC gal. .76 - —
tanks, works gal. .42 - —
Tyrothricin, bots. gram 1.00 - 1.10

U

Urethane, USP, dms lb. 1.50 - —
Unicorn root, False (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs. lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04¾- —
l.c.l., works lb. .05¼- —
42% N, bulk, c.l., 30 tons, frt. alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton.99.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W. Va. ton.115.00 - —
C and D grades, tankcars same basis ton.113.50 - —
37 grade, tankcars same basis ton.137.50 - —
Uva ursi leaves, bls lb. .10 - .12

V

Valerian root, Belgian, NF, bls lb. .35 - .37
Valine, dextro-laevo, dms., works lb. 21.00 -27.50
Valonia beards, bgs., ex dock ton.82.00 -84.00
Cups, bgs., ex dock ton.58.00 -62.00
Extract, powd., bgs., ex dock, duty extra lb. .09½Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 3.75 - 4.25
Mexican, cuts, tins lb. 6.50 - 6.75
whole, tins lb. 7.25 Nom.
Tahiti, cs. lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots lb. 4.05 - 4.15
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 2.95 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .17 - —
l.c.l., works lb. .17½- —
tanks, works lb. .16 - —
Vinyl butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks, lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ref. dms., works lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units 1,000,000 units. .03 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .16 - —
200,000 to 400,000 A units per gram, bots., cns., dms., lots of less than 500 million units 1,000,000 units. .20 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .21 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots or less than 500 million units 1,000,000 units .21 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
less than 500 million units. 1,000,000 units. .22 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm 1,000,000 units. .18 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12}, vials, 25 100 and 500 milligram lots, milligram. .59½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

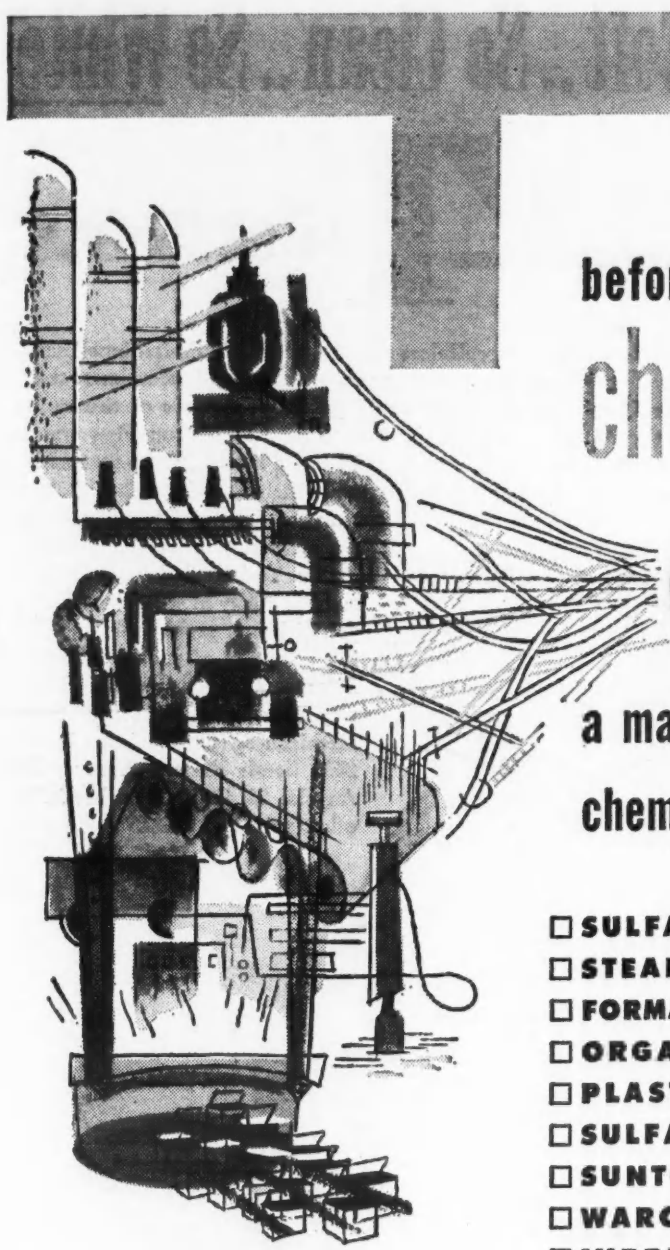
Wahoo root bark, bls lb. 1.75 - 1.80
Tree bark, bls lb. .75 - .90
Warfarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago lb. 1.95 - —
25-49 lbs., same basis lb. 2.05 - —
5-24 lbs., cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.71.50 -72.50
merchantable, bgs., ex dock ton.67.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08 - .08½
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra lb. .0770- .0780
S. Africa, 62% tannin, ex dock, duty extra lb. .0770- .0780
Wax, amorphous (see Wax, microcrystalline)
Bayberry, bgs., spot lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .69 - .71
slabs, bgs. lb. .68 - .70
crude, African, bgs. lb. .53 - .55
Brazilian, bgs. lb. .56 - .58
Central American, bgs. lb. .54 - .56
refined, yellow, bricks, cs. lb. .61 - .62
slabs, bgs. lb. .60 - .62
Candelilla, crude, bgs. lb. .60 - .62
refined, bgs. lb. .64 - .66

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots. lb. No stocks.
North Country, No. 2, ton lots. lb. .85 Nom.
No. 3, crude, bgs., ton lots. lb. .86 - .88
refined, bgs., ton lots. lb. .90 - .92
yellow, No. 1, bgs., ton lots. lb. 1.03 - 1.05
No. 2 lb. 1.01 - 1.03

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs lb. .63 - .65
Microcrystalline, 170°-175° m.p., ASTM, amber ctns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —



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- ☐ **ORGANOSOL** coatings for textiles and paper
- ☐ **PLASTISOL** for coating and molding
- ☐ **SULFATED OILS**
- ☐ **SUNTONE*** pigment printing colors for textiles and plastics
- ☐ **WARCOSOL*** wetting agents
- ☐ **IMPREGNOLE*** re-treatable water repellent
- ☐ **NORANE*** durable water repellent

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Wax, microcrystalline, 180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis..lb. .14½ - —
Less than 20,000 lbs., same basis lb. .15½ - —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb .17 - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. 28 - —
190°-195° m.p., ASTM, amber, basis lb. 20½ - —
Less than 20,000 lbs., same basis lb. .21½ - —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. 20 - —
white, ctns., 20,000 lbs., same basis..lb. .33½ - —
Less than 20,000 lbs., same basis lb .34½ - —
Montan, dom. black, raw ..... lb. .25 - .25½
refined ..... lb. .31 - .32
imported, Bohemian, bgs ...lb. .15½ - .16
German, bgs. ..... lb. .16 - .17
Ouricury, refined, bgs., ton lots lb. .82 - .84
Paraffin (see P.)
Spermaceti, blocks, cs..... lb. .28 - .31
cakes, cs. ..... lb. .29 - .32
Sugar, cane, crude, imp., bgs lb. No stocks.
refined, dom., slabs, works lb. .69 - .74
imp., bgs., N. Y ..... lb. .48 - .50
White lead (see Lead, white).
White pine bark, rossed, ols ....lb. .18 - .20
White precipitate USP powd., dms. 50 lbs lb 2.00 —
Whiting, limestone dry-grd. 99.5%, 325 mesh bgs. c.l. works.
ton 6.00 - 10.00
smaller lots works ton 6.50 - 15.00
wet-grd., bgs., c.l., works ton.16.00 - 30.00
smaller lots works ton.21.00 - 35.00
Paris white bgs, c.l. ton.24.00 - 31.00
l.c.l. whse ton.35.00 - 40.00
Precipitated bgs, c.l. ton.18.00 - 20.00
l.c.l. ton.25.00 - 35.00
Wild cherry bark thick, natural, bls lb 06 - .07
thin, natural, ols..... lb. .15 - .16
rossed, bls..... lb. .17 - 18
Wild indigo root bls ..... lb .50 - .31
Wild yam root bls ..... lb 16 - .17
Witch hazel leaves, bls. ..... lb. .23 - .25
Woodflour 40 mesh bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton.40.00 - —
60 mesh, bulk c.l. same basis ton.37.00 - —
l.c.l., same basis ton.45.00 —
Woodflour, 80-100 mesh, bulk, c.l., same basis..ton.40.00 -45.00
l.c.l., same basis ton.50.00 -55.00
Woodflour in bgs extra, returnable.
Woolfat (see Lanolin).
Wormseed American, bgs.....lb .13 - .14
Levant, bgs. ..... lb. 4.50 - 5.00
Wormwood leaves, bls.....lb .35 - .45

X

Xanthorrhiza root, bls ..... lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l. works, frt equald.. lb. .193 - —
l.c.l., same basis..... lb. 196 - —
tanks, same basis..... lb. .18 - —
45°-47° C. dms. c.l. frt. equald.. lb. .153 - —
l.c.l., same basis..... lb. .156 - —
tanks, same basis ..... lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis..gal. 1.06 - —
l.c.l., same basis.....gal. 1.09 - —
tanks, same basis.....gal. .95 - —
Meta fraction, over 7°C., dms., c.l., same basis..gal. 1.16 - —
l.c.l., same basis.....gal. 1.19 - —
tanks, same basis.....gal. 1.05 - —
Xylidins, mixed, dms ..... lb. 45 .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa.....gal. .29 - —
Birmingham district..gal. .26¼ - —
Chicago district .....gal. .29½ - —
Cleveland district....gal. .29 - —
Geneva, Utah.....gal. .21 - —
Hamilton, Ohio.....gal. .28 - —
Johnstown, Pa.....gal. .27 - —
Lackawanna, N. Y....gal. .29 - —
Lone Star, Tex.....gal. .27 - —
Lorain, Ohio.....gal. .27 - —
Minequa, Colo.....gal. .29 - —
Philadelphia, Pa.....gal. .29 - —
Pittsburgh district...gal. .26 - .29
Sparrows Point, Md...gal. .29 - —
St. Louis, Mo.....gal. .30 - —
Syracuse, N. Y.....gal. .26½ - —
Terre Haute, Ind.....gal. .31 - —
Wyandotte, Mich.....gal. .29 - —
Youngstown, Ohio....gal. .26½ - —
Petroleum, indust., 40°, tanks, works:—
Albany, N. Y. .....gal. .30 - —
Bayonne, N. J. ....gal. .30 - —
Baytown, Tex. ....gal. .26 - —
Chicago, Ill. ..... gal. .30 - —
Detroit, Mich. .... gal. .30 - —
Philadelphia, Pa. .. gal. .30 - —
Providence, R. I. .. gal. .30 - —
Wood River, Ill.....gal. .30 - —

Y

Yara yara, ens.....lb. 2.25 - 2.30
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms..lb. .46 - —
90 B units per gram, 100-lb. dms..lb. .51 - —
200 B units per gram, 100 lb. dms..lb. .55 - —
300 B units per gram, 100 lb. dms..lb. .59 - —
Yellow, barium chromate, CP bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport Minneapolis, Rock Island, St. Louis, St. Paul lb. 2.80 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Benzidin, bbls., dlvd.....lb. 1.91 - —
Cadmium, CP, all shades, bbls., frt alld. E. of Rockies lb. 2.65 - 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. 1.12 - —
Cadmium yellows, Los Angeles and San Francisco ex whse 1c per lb higher
Chrome, CP, bbls., dlvd. N. Tenn and N. C E of Miss including Davenport, Minneapolis, Rock Island..lb. .30 - .31
Dlvd Ala., Fla., Ga., La. (Shreveport) 1¼c higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c higher; El Paso, Tex., 2c higher; Cedar Rapids, Des Moines, Kansas City Lincoln Omaha, St Joseph 1.6c. higher dlvd. Pac Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago

Yellow, hansa, bbls., same basis as chrome..lb. 1.91 - 2.15
Primrose bbls., same basis lb 1.90 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs. c.l.....lb. .04½ - —
l.c.l. .....lb. .04¾ - —
Peruvian type bgs. c.l. lb .0185- .0210
synth., bgs., c.l., works.....lb. .09½ - —
l.c.l. works lb. .09¾ - —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb 1.95 —
Ocher American golden, bgs., works lb. .01¼ 02¾
Zinc, bbls. same basis as chrome. lb. .23 - .29
Yellow dock root, bls ..... lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls ..... lb. 28 .30
Yohimbine hydrochloride, vls ...oz. 4.75 - 5.25

Z

Zein, bgs., 36,000 lbs., works ... lb. .30 —
1,000 lbs to 36,000 lbs. works lb. .32 - —
smaller lots works lb 35 - —
Zinc acetate, tech. bbls. dms lb. 26¼ - —
NF, dms ..... lb. .41 - —
Borate, bgs., c.l., dlvd. E....lb. .18½ - —
l.c.l., dlvd. E. .....lb. .19½ - —
Carbonate purified powd., dms. lb. 26 —
tech., rubbermakers', bgs., works. lb. .10¾ - .11½
precipitated, powd., dms..lb. .26 - —
Chloride, tech. fused, dms., c.l., works 100 lbs. 7.70 - —
l.c.l., works 100 lbs 8.10 - —
gran., bbls., c.l., works.100 lbs. 8.45 - —
l.c.l., works .... 100 lbs. 8.85 - —
Zinc chloride solution, 50%, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works .....100 lbs. 4.85 - —
tanks, works .....100 lbs. 3.60 - —
NF, gran., dms ..... lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .457 - .477
Dust, c.l., works.....lb. .21 - —
l.c.l., works .....lb. .22 - —
Fluoride, bbls., works.....lb. 40 - —
hydrosulphite, dms., c.l., frt. alld. lb. .19¾ - —
l.c.l. .....lb. .20¼ - —
Iodide, NF, jars.....lb. 4.85 - —
Laurate, bbls .....lb. .45 - .46
Metal, slabs, E. St. Louis.....lb. .17½ - —
Naphthenate, liquid, 8% Zn, frt. alld. lb. .22 - —
10% Zn, dms., frt. alld..... lb. .27¾ - —
Oleate, fused, bbls .....lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
American process, com'l, lead-free, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
leaded, 5%, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
35%, bgs., c.l., dlvd. lb. .16¾ - —
l.c.l., dlvd.....lb. .17¾ - —
50%, bgs., c.l., dlvd. lb. .16¾ - —
l.c.l., dlvd.....lb. .17¾ - —
French process, com'l, lead-free, bgs., c.l., dlvd..lb. .16 - —
l.c.l., dlvd.....lb. .17 - —

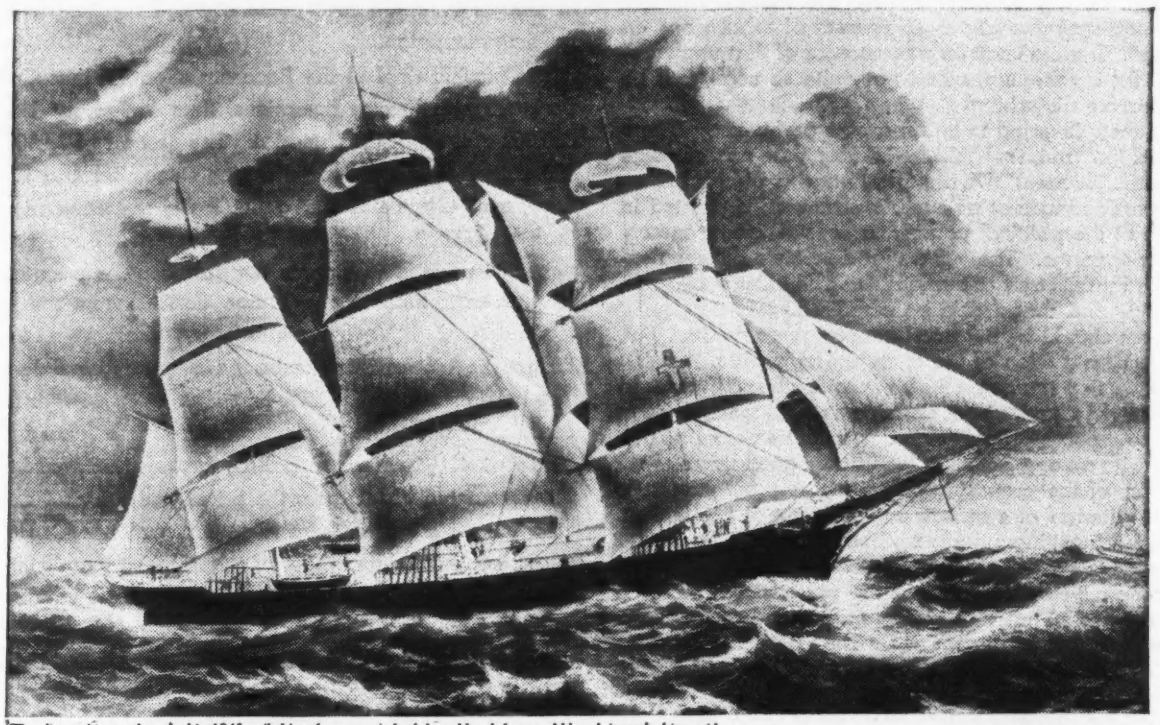
Wax, Microcrystalline—Zinc, Yellow

Zinc oxide, French process, com'l, green seal, bgs., c.l., dlvd. lb. .17¾ - —
l.c.l., dlvd.....lb. .18¼ - —
red seal, bgs., c.l., dlvd. lb. .17¼ - —
l.c.l., dlvd.....lb. .18¼ - —
white seal, bgs., c.l., dlvd. lb. .18¼ - —
l.c.l., dlvd.....lb. .19¼ - —
USP, ctns., c.l., dlvd.....lb. .19¼ - —
l.c.l., dlvd.....lb. .20¼ - —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms.....lb. .36 - —
Resinate, precip., dms., frt. alld lb. 23½ - —
Silicofluoride, bbls., works.... lb. .10 - .10½
Stearate, tech., USP, ctns., c.l. lb. .39 - —
ton lots ..... lb. .40 - —
less ton lots ..... lb. .41 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 6.85 - —
l.c.l., same basis 100 lbs. 7.25 - —
flake, 25½% Zn, bgs., c.l., works, dlvd .100 lbs. 6.05 - —
l.c.l., works .....100 lbs. 6.45 - —
powdered, 36% Zn, bgs., c.l., dlvd., same basis...100 lbs. 9.25 - 9.40
l.c.l., same basis.....100 lbs.10.00 -10.15
Zinc sulphate in bbls. 40c higher
USP, gran., dms lb .23 .23½
Sulphide, pure, bgs. c.l. dlvd. lb. .24 - —
l.c.l., dlvd.....lb. .25 - —
Thionosulphonate, NF, gran., bbls., dms lb. .33 .34
powd., bbls ..... lb 36 .37
Undecylenate, dms .....lb. 1.90 2.00
Yellow (see Yellow, zinc)

—Continued on page 83

PIONEERS OF THE CENTURY

SECOND OF A SERIES



The clipper ship era, launched in 1845, sailed into fame on winds of the gold-rush frenzy. Although it reached its zenith in 1852, not until many years later could steam-driven craft equal the speed record of such clippers as the Flying Cloud. BETTMANN ARCHIVE

1852 — The Clipper Ship

"IT'S that Yankee ingenuity," moaned British shipowners when New England's clippers cut into their lucrative business of carrying gold-rush hordes to California and hauling tea from China.

Yankee builders had seen that the times called for faster ships—a type that could sail the 19,000 miles 'round the Horn to San Francisco in 3 months instead of 13. So they cut away from the bulky orthodox designs and pioneered the trim, sleek clipper that put this country out in front on the high seas.

At the same time, ingenuity was proving a boon to other pioneers. The New Jersey Zinc Co., organized in 1848 for the purpose of smelting zinc from domestic ore, was running into one snag after another, even as its predecessors had.

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Directed 1900-1942, by Harry J Schnell
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30 Church Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 158 November 6, 1950 Number 19

Taxing Excess Profits

Among the many things variously predicted to come along after election, one of the most probable is a reconvening of congress. And among the biggest reasons for that recalling will be the requesting of enactment of an excess profits tax.

It is most desirable and necessary that the people of the United States get it into their heads that a war economy is just beginning. If they persist in being jollied out of realism by the, at that not too encouraging, progress of the scrap in Korea, they are due for a most disturbing awakening at an early date, unless the officials of the government likewise are lulled back into their last-spring shut-eye in respect of what goes on abroad. If there shall be a recurrence of that unawareness, the awakening, albeit not quite so soon, will be much more disturbing.

So, there is going to be an excess profits tax. There should be. But, it should be exactly that, not, as some business "leaders" (?) are suggesting a bigger tax on corporation incomes as such, and not, as is pointed in much of the political palaver, a special tax on merely larger earnings. There is a vast difference between expanded profits and excess profits. The latter spell profiteering—and that should be penalized.

There should be a special tax on excess profits. But, in the construction of the enabling legislation, it is imperative that excess profits be specifically, soundly, and certainly defined. That defining is a bigger job than can be expected of politicians. It must be done by business with an eye primarily for its own good name.

Much of the proposing of an excess profits tax calls for a criterion of earnings on the basis of investment. That is a most inequitable method. Another idea is that the excess be the difference between total net income in certain years and that in the periods to which the tax applies. That also is inequitable and an unjustifiable penalization of progress. The criterion should be the margin of profit, the relation of net income to gross income, based on the customary earnings of the taxpayer in a properly determined period, or in order that the liability of new, war-baby concerns might properly be determined, on margins calculated from the records of appropriate groups.

The selection of bases and the application of calculations present, however, a number of peculiar problems. Some of these are indicated by comparisons found in corporation reports. Here, for example, is a long-established, highly regarded manufacturer reporting an increase of 19.4 percent over last year in sales and an increase of 75.3 percent in net income and showing an increase from 5.4 percent to 8.0 percent in the margin of net profit. Here is another good concern reporting a gain of 6.2 percent in gross income and a loss of 29.3 in net. That is more in keeping with the popular reports on higher costs of materials and operating. But, a third, of equally high standing, reports sales up 21 percent, net income up 57 percent and an increase in net margin from 13.7 percent to 17.8 percent. Another report shows a sales gain of 13.3 percent, an increase of 3.0 percent in net income, and a drop in net margin from 4.48 percent to 4.07 percent. Still another reports a gain of 26.6 percent in gross revenues, and a jump of 62.2 percent in net income, the net margin having been increased from 13.4 percent to 17.2 percent.

Scientific taxmaking has long been a topic of reverent comment in high governmental circles. It could help substantially in the construction of a scheme of excess profits taxation. But, as the data cited above make plain, something far more capable than even the higher grades of political science will have to be applied if profiteering is properly to be penalized, without unjustifiable detriment to honest, progressive business.

Alcohol for Making Rubber

The United States government is buying industrial alcohol in France, because the supply from domestic production is far from adequate to the requirements of the revived synthetic rubber program. The same government is reported to be destroying potatoes in several of the states, because it has no place to put the surplus piling up as crops are harvested. It could be that those potatoes are convertible into synthetic rubber via alcohol, but there is a lack of definite information on the relative influence of facilities and materials in the inadequacy of domestic alcohol production. There are, of course, those Far-Western alcohol-from-wood facilities and some of the leftovers of the Midwestern farm alcohol promoting, through which potatoes might be run. One story has it that some domestic beverage distillers have not been operating at capacity and could "readily absorb present indicated needs for rubber production."

The whole situation in respect of alcohol in the rubber revival is characterized by indefiniteness. There are, for example, as many versions of the French deal as there are of the incidents which are so large a part in today's substitution of personalities for principles in political campaigning.

The alcohol deal of the Reconstruction Finance Corporation with France comprises, thus far, about 112,000,000 gallons of the material. The first lot of 10,500,000 gallons, to be delivered during December and January, cost 42½ cents per gallon. On the other more than 80,000,000 gallons, to be delivered through next year, the price is 48½ cents per gallon. The price difference, according to one rumor, derived from the intervention of ECA representatives, who urged that France be given an opportunity to get more dollars. The inside story is that ECA had nothing to do with the case; that, when the first offer of French alcohol was made at 41½ cents per gallon, brokers here and in France started bidding up the price, and the RFC deal was put on a government-to-government basis. How much was paid meanwhile for the 30,000,000 or 40,000,000 gallons purchased by American alcohol concerns has not been disclosed.

The availability of the French alcohol is also being pictured in several ways. One story is that nobody can say when shipments will start. Another version is that France had accumulated more than 200,000,000 gallons of alcohol in its relief program for producers of sugar beets and fruits up to the end of this year's harvest. To get rid of the alcohol acquired in the course of the farm-propping, France enacted a decree requiring the admixture of alcohol with gasoline for use as a motor fuel. One of the stories has it that French motorists were fighting the decree because the mixed fuel was injurious to their motors. Another story is that the alcohol-gasoline decree never has been applied and that the dollars to be got from the sale of alcohol to the United States will make the decree unnecessary by financing adequate supplies of gasoline. Others say that the money will be but a small patch on the French trade deficit with the dollar area and cannot buy anything new.

The talk that France has yet to make the alcohol which is to be delivered next month is supported by the fact that the delivery was deferred until that time and RFC made arrangements to have domestic whisky distillers supply the immediate alcohol needs of the rubber program, at least in part—a total of 10,000,000 gallons, at something like 85 cents per gallon, is reported. RFC says that domestic production will be called upon henceforward for supplemental supplies. In the light of that planning certainly those potatoes should be distilled, not destroyed.

Washington Talks

—*Continued from page 5*

officials of NPA on administration of NPA, its aims and purposes, and Secretary Sawyer has announced that the offices are "open for business". In most cases the field offices will be able to answer specific questions regarding programs as they are put in effect. If any problems arise which are beyond the scope of the field office, the directors can get answers quickly from Washington.

One of the most important services the offices perform is to provide information on the procurement needs of the government. This consists of a daily listing of invitations to bid issued by the Department of Defense and the General Services Administration, and a weekly listing of contract awards by the Department of Defense of $25,000 or more.

Venezuela Palm Is Sick

Venezuela's only commercial planting of the African oil palm, *Elaeis Guineensis*, is undergoing cultural difficulties, according to James H. Kempton, agricultural attache, American embassy, Caracas, in a report to the Office of Foreign Agricultural Relations. The plantation is located in the State of Yaracuy.

The first palms are now five years old, and plantings have been expanded yearly. The palms developed normally and the operating company, confident of the success of the undertaking, acquired a small processing plant to begin the first extractions. However, early this year the oldest trees became diseased, and the cause of the disease has not been determined.

The Ministry of Agriculture recently announced the importation of 17,000 seeds of the African oil palm from a French seed firm. These seeds will be planted in the ministry's cacao station at Ocumare de la Costa with the object of distributing young palms in suitable places from Yaracuy to Anzoategui. However, the future of this palm as a source of oil in Venezuela is questionable. Certainly, further expansion of acreage is doubtful until its disease is brought under control.

Western Europe Buys for Industry

The continuing expansion of Western Europe's industrial production is reflected in the type of Marshall Plan commodities it is buying, as well as the high production index. The trend of purchases now is definitely in favor of machinery and equipment and the raw materials needed to expand industrial production.

In the early months of the ECA program a substantial proportion of the dollar commodities required by Europe consisted of bread grains and other commodities to sustain a minimum standard of living while basic industrial and agricultural reconstruction efforts were set in motion. Beginning with late fall of 1948, the participating countries were able to begin using ECA dollar assistance in building up, re-equipping, and modernizing industry.

ECA charts show that machinery and vehicles, which represented about 6 percent of total authorizations in the first six months of the Marshall Plan, now account for about 20 percent. On the other hand, bread grains, which represented about 27 percent at the beginning of ECA, now account for about 11 percent of total authorizations. Based on 1938 as 100, the index of Western Europe's industrial production was 118 in July, up 13 percentage points over July, 1949.

Korean Problems for ECA

The looting and destruction of warehouses and equipment by the retreating Red forces in Korea has made the job of reconstruction of that republic much greater than had been originally anticipated.

ECA officials who have just returned from Korea report that huge stocks of raw rubber, crude oil and petroleum products, coal, iron, chemicals, salt and cement were taken from warehouses during the Red occupation. In addition, textile factories were dismantled, most of the automobiles stolen, and huge stocks of machinery and other equipment loaded on flatcars which the Communists intended to move out of the city.

ECA plans to concentrate its activities on economic reconstruction and rehabilitation, rather than on direct relief, and will supply the type of economic aid designed to increase domestic Korean production. Fertilizer is one item of the greatest importance that shows up on the agenda. Since one ton of fertilizer normally produces 10 tons of food, ECA officials report, they plan to authorize the purchase of some $22,000,000 worth of fertilizer this year. ECA has already financed the purchase of $9,000,000 worth for immediate use.

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Heavy Chemicals

Lead advanced last week under limited offerings and a heavy demand. Tin metal again established new high prices in line with London and Singapore. The sky-rocketing was reflected in the market for tin chloride and all the other tin based chemicals. Hydrofluoric acid anhydrous in tankcars was priced higher by some producers but not all had made the revision at the close of the week. A decidedly stronger tone has developed in the chlorates with producers unable to name any specified dates for shipment. Oxalic acid is priced higher as a result of increased producing costs.

Soda ash remained tight with production slowly increasing. Plants are emerging from the alkali strike with a fair output but it will probably be well into December before anything like a leveling off condition is established. Caustic soda was also short, the scarcity of the dry forms being more pronounced than in the liquid. Chlorine continued definiely short of requirements with no apparent easement in sight, although a slight increase in production was noted. The first carlot of potassium carbonate left a plant, recently strikebound, last week. Both potassium carbonate and caustic potash remained in short supply. No easement in copper sulphate supplies in this area, some export business was placed by a plant in the southwest. Sulphuric acid continued in tight supply and so did muriatic, oxalic and glacial acetic acids. Ammonium bicarbonate has been restored to a normal market after the suspension of production by the recent alkali strike.

Paper production based on a percentage of six-day capacity was 106.9 percent for the week ending October 28, according to the American Paper and Pulp Association. This compared with 107.0 in the preceding week and 98.6 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census Department of Commerce and the Chemical Division of the Tariff Commission.

Ammonium Bicarbonate—This market has been restored to a normal position and is the first to assume this condition since the alkali strike. The producer now has inventories and orders can be placed for prompt shipment at former price levels.

Calcium Chloride — Sales of calcium chloride (and calcium-magnesium chloride) produced from natural brines were smaller in 1949 than in any post-war year, according to reports by producers to the Bureau of Mines. Total sales amounted to 255,797 tons, compared with 309,660 in 1949.

Carbon Bisulphide—Production in August was lower. The total amounted to 35,901,728 pounds, compared with 36,585,251 in the preceding month.

Carbon Tetrachloride — Market supply position definitely tight. One of the producers is slowly getting back into production after a prolonged shutdown occasioned by labor difficulties. August output totaled 15,318,300 pounds, compared with 14,696,553 in July.

Chlorine—Supply situation showed no improvement last week. Demand was sustained at a level considerably above current output and NPA is confering with producers in an effort to remedy the situation. Sentiment in the trade appeared to favor government allocation as a means for alleviating the present headache but the government desires that all avenues of possible voluntary action upon the part of suppliers to spread stocks evenly be explored before controls are imposed.

Copper Sulphate—Demand still ahead of supply with market position tight. Production in the East is heavily under contract for the remainder of the year and suppliers have now sold most of their output for January. There has been no easement in the industrial inquiry while demand for use in Florida is holding and is expanding in other southern areas where peanuts are grown. It was stated that use for fertilizer and spraying of peanuts is comparatively new and an additional consuming channel is opening for a substantial tonnage with increased acreage in sight for 1951. Export demand continued active with a sizable order placed for November-December shipment to Colombia. The order was placed with a southwestern producer. A producing plant in the Midwest has been forced to suspend operations owing to the inability to secure copper.

Glauber's Salt—Slight increase in production was recorded in August. The total was 16,288 tons, compared with 15,282 in the preceding month and 13,075 tons in August, 1949.

Magnesite—Lowest production in a decade was recorded in 1949, according to the Bureau of Mines. Sales of magnesias, particularly refractory magnesias, used principally by the steel industry, were affected by the curtailment of steel production. Strikes in the coal and steel industries and the general business recession were contributory factors. Lower consumption, partial liquidation of consumer inventories and a cautious buyers' market combined to restrict sales of most other magnesias and magnesium compounds. The amount of crude magnesite mined last year was 287,315 tons. The amount of dead burnt dolomite sold by producers was 1,318,708 tons, compared with 1,544,755 in 1948.

Nickel Sulphate—Market conditions did not improve over the turn of the month. Demand is sustained at an abnormally high level mostly for plating use. Production in this and in other nickel salts is being allocated by producers in an attempt to equalize distribution.

Potash, Caustic—Stocks remained tight with production being shipped to contract consumers. A plant recently closed by the alkali strike is now in operation and some shipments are leaving this plant. Increased production is expected this month. No easement in consuming demand could be noted and none is expected over the remainder of the year.

Potassium Carbonate—Dependent on the production of caustic potash, the supply situation has continued tight. Producers are endeavoring to keep shipments equalized to contract consumers although the pressure for increased deliveries is still great from the glass specialty factories. The first shipment was made last week from one of the producing plants recently closed by prolonged labor difficulties.

Potassium Chlorate — Demand has exceeded the consumer supply and contract accounts are the only ones to receive shipments. Meanwhile higher prices for raw materials, freight and wages have been advanced, thereby creating a strong background to the market. At present no specified dates are being named for shipment to the match factories or any other consuming industry.

Salt Cake—Commercial crude production totaled 45,532 tons in August, compared with 39,443 in the preceding month and 46,032 tons in August last year.

Soda Ash—Supply situation improving slowly as plant production increases. It was stated that plants included in the alkali strike are expected to be back in full production by December 1. Meanwhile, many consumers are short of stocks and some have purchased imported material to meet requirements. It looks as though a tight market will continue throughout the month.

Sales of natural soda ash and trona (sodium sesqui carbonate) declined sharply in 1949. The total amounted to 200,496 tons valued at $4,163,714, compared with 288,769 tons valued at $6,623,280 in 1948.

Soda Caustic — Buying conditions remained tight, but gradually working toward easement with each successive day. At present, the shortage is more pronounced in flaked than in liquid. Demand continued active and it will probably be

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Lead, 1c. per lb.
Oxalic acid, 1c. per lb.
Sodium stannate, 4.10c. per lb.
Tin chloride, 6c. per lb.
crystals, 4.38c. per lb.
metal, 8c. per lb.
oxide, 4c. per lb.
sulphate, 5c. per lb.
tetrachloride, 4½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
234.2	234.2	233.8	216.4	217.7

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
124.4	123.7	122.3	121.8	121.8

(For Current Prices see Page 9)

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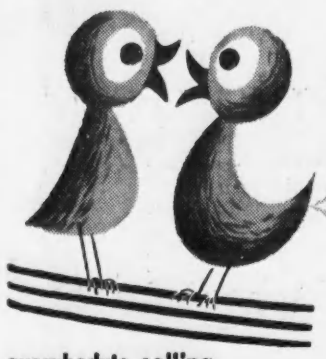

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well into December before production catches up with demand.

Sodium Chlorate—No additional orders are being considered at present for specified dates for shipment. Current demand has over-topped production and the supply position is exceedingly tight with the market situation definitely strong.

Sodium Phosphate—Production of meta in August amounted to 2,240 tons, compared with 3,168 in July, and 1,941 tons in August, 1949. The output of tetra was 5,863 tons in August, against 6,352 in the preceding month and 6,878 tons in August last year. Acid pyro showed a production of 712 tons in August, compared with 749 in July and tripoly output registered 16,753 tons in August, against 20,260 in July.

Sodium Sulphates — Sales of natural dropped sharply in 1949, according to reports by producers to the Bureau of Mines. The total was 186,223 tons valued at $2,733,853, compared with 265,862 tons valued at $4,248,613 in 1948.

Tin Salts—All priced higher as a result of the prolonged upward movement of the metal. Tin prices at London and Singapore have been steadily advancing. The breakdown at the close of the week was: — tin chloride $1.02 to $1.03 per pound, crystals 83¾c.; oxide $1.25 to $1.26; sulphate stannous $1.12 to $1.13, and tetrachloride anhydrous 73c. to 74c. per pound. Sodium stannate 68.5c. to 74.2c. per pound works freight allowed East, all other tin salts f.o.b. the works.

Acids

Acetic—August production of synthetic totaled 39,861,844 pounds, compared with 37,790,721 in July. The amount of recovered acid in August was 180,184,198 pounds, against 180,164,024 in July. Output of natural was 1,730,693 pounds in August, compared with 1,729,688 in the preceding month. The supply of glacial is scarce and appears to be getting shorter with each successive week.

Chromic — Supply situation remained tight. It was stated that deliveries of soda ash to the sodium bichromate plants to date has not been of sufficient dimensions to permit any substantial increase in production. Meanwhile, the demand for acid for plating use has continued active.

Hydrofluoric—Anhydrous in tankcars was advanced in one producing quarter to 18c. per pound, f.o.b. works, freight equalized. All producers had not revised quotations up to the close of the week.

Muriatic—No easement in the supply situation could be noted last week. Demand at present is exceeding production and suppliers are finding it difficult to meet contract requirements. It looks as though many consumers are determined to build up inventories.

Oxalic—Higher prices have been established as a result of increased producing costs. Stocks are exceedingly short, with demand active. The carlot price range is from 15¼c. to 16¼c. per pound, works. The l.c.l. prices range from 15½c. to 16½c., according to producer.

Phosphoric—Supply tight with demand active. Production during August totaled 136,721 tons, including 61,115 tons made from phosphorus and 75,606 from phosphate rock. The July output was revised to 141,107 tons and in August last year 119,683 tons were produced.

Sulphuric—Heavy shipments to the titanium and petroleum industries and an active diversified demand from other consuming sources have readily absorbed current production. The market last week was tight and firm without revealing any new price changes.

Production of sulphuric acid in Japan in the first half of 1950 rose to 1,550,400 metric tons from 1,209,500 tons in the corresponding period of 1949, according to statistics of the Ministry of International Trade and Industry.

Nonferrous Metals

Aluminum—Rules for handling defense orders for aluminum under the priorities system of the National Production Authority have been announced. The purpose of the order (NPA Order M-5), NPA said, is to maintain maximum aluminum output by providing for equitable distribution of defense orders among aluminum producers, fabricators, distributors, and jobbers, thus keeping to a minimum possible disruption of distribution to other aluminum users. The order provides for a 60-day "lead time" in the scheduling of defense orders by stating that no aluminum producers and fabricators are required to accept defense rated (DO) orders received less than 60 days before the first day of the month in which shipment is requested. The order requires producers of primary aluminum to accept rated orders from independent fabricators up to 6½ percent of the producer's monthly scheduled production of primary aluminum pig and ingot. To provide supplies to independent fabricators, the order sets a ceiling on the number of defense orders which aluminum producers need accept in any one month, based both on product and total tonnage.

Copper—Market strong without disclosing any new price developments. Export shipments have been cutback to permit a larger domestic use. Stocks are being allo-

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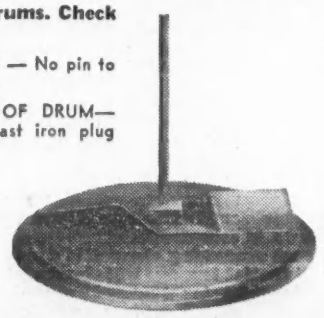

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cated to consumers while demand remains at a high level. Electrolytic was priced at 24½c. per pound, delivered Valley or Midwest points.

Responding to the impetus of high prices and assured large demand the mine production of recoverable copper in August rose to 79,749 tons, 10 percent above July, and was at the highest monthly rate since June, 1944, according to the Bureau of Mines. A sustained production at the August rate would result in an annual output approximating 950,000 tons. All areas shared in the August advance which percentagewise was the same on a daily average basis as on the monthly total basis. Among important copper-producing states, Utah had the sharpest gain of 16 percent; Arizona rose 5 percent, New Mexico and Nevada both 12 percent, and Montana 2 percent. The rise in Utah was due chiefly to increased output of copper ore in the West Mountain district. Arizona's increase would have been substantially greater had it not been that two large mines were partially closed for vacations during the month. The substantial gain at one large mine and smaller increases at others more than offset the drops caused by vacations. The increase in New Mexico resulted from greater production in Grant County. Larger outputs of copper ore by mines in the Robinson district, White Pine County, chiefly caused the gain in Navada.

Lead—Priced higher at 17c. per pound, New York, and 16.80c. at St. Louis for the common grade. The upward revision is attributed to short supplies and a heavy demand. The battery manufacturers as well as other consumers have been persistant buyers of late in order to keep their inventories up to working levels.

Manganese—Importations in the first six months of 1950 were well ahead of the 1949 rate, according to the American Iron and Steel Institute. Manganese imports were equal to 80 percent of the 1949 total, although imports from Russia have been negligible so far this year. India nearly equaled in six months her 1949 shipments here, while both the Union of South Africa and the Gold Coast exceeded last year's totals. Russia cut shipments to the U. S. to $300,000 valuation in August, against $800,000 in July.

Quicksilver—No new price developments were reported last week. Buying interest continued active with spot offerings limited and suppliers naming $95 to $96 per flask.

San Francisco—The quicksilver market continues very tight with metal quoted $95 to $96 per flask.

Silver—Steady at the late advance with consumer sales maintaining a satisfactory seasonal average. Bullion in the New York market was priced at 80c. per ounce.

Tin—Established a new high price level in sympathy with London and Singapore. Conservatism featured domestic purchases and trading was not on an elaborate scale. The prevailing price at the close of the week was $1.36 per pound.

Zinc—Maintained a strong position with available stocks scarce and demand active. Future shipments continued to command a substantial premium over spot. Prime western was priced at 17½c. per pound, East St. Louis basis.

Consumption of slab zinc in the United States in August increased 26 percent to 88,290 short tons, the highest monthly rate since March 1945 when the all-time record of 91,286 tons was established, according to the Bureau of Mines. Galvanizers established a new monthly record by increasing their total use of zinc 21 percent, rolling mills consumed 75 percent more zinc than in July, brass mills 48 percent, and die casters 19 percent.

New England ASTM To Meet November 8

The New England district of the American Society for Testing Materials has scheduled a dinner discussion for November 8 at the Commander hotel, Cambridge, Mass. Dinner will be served at 6:30 p.m., the technical session getting under way at 8 p.m. L. J. Markwardt, assistant director of Forest Products Laboratory, Madison, Wis., and ASTM president, will be the guest speaker. His subject will be "Highlights of Progress in Forest Products Research."

Trade Briefs

Armstrong Cork Company has appointed Carleton C. Dilatush, a member of the concern's glass and closure division sales staff since 1940, to the post of assistant manager of the New York office.

Westinghouse Lamp Division, Bloomfield, N. J., has appointed William C. Lilliendahl research advisory engineer, in which post he will direct the metals section of the research department.

Barada & Page Completing St. Louis Branch Facilities

Barada & Page, Inc., Kansas City, Mo., has announced that construction of its office and warehouse facilities at St. Louis, Mo., branch is nearing completion. The site, which occupies approximately 70,000 square feet of space, of which 10,000 square feet will be taken up by the company's first warehouse unit, is located at Second and Penrose streets. Telephone number is GArfield 0676.

In expanding its St. Louis operation, which is managed by O. A. Collings, the company stated that the move was taken to provide more complete and thorough coverage of its line of industrial chemicals to the western half of the Mississippi Valley. Barada & Page offers all mineral acids; a complete line of chlorinated, organic and coaltar solvents; various alkali products, and many other chemical items normally in demand.

Huber Leases New Office

J. M. Huber Corporation has leased office space at 100 Park avenue, New York. The concern, currently located at 342 Madison avenue, expects to take occupancy on or about January 1.

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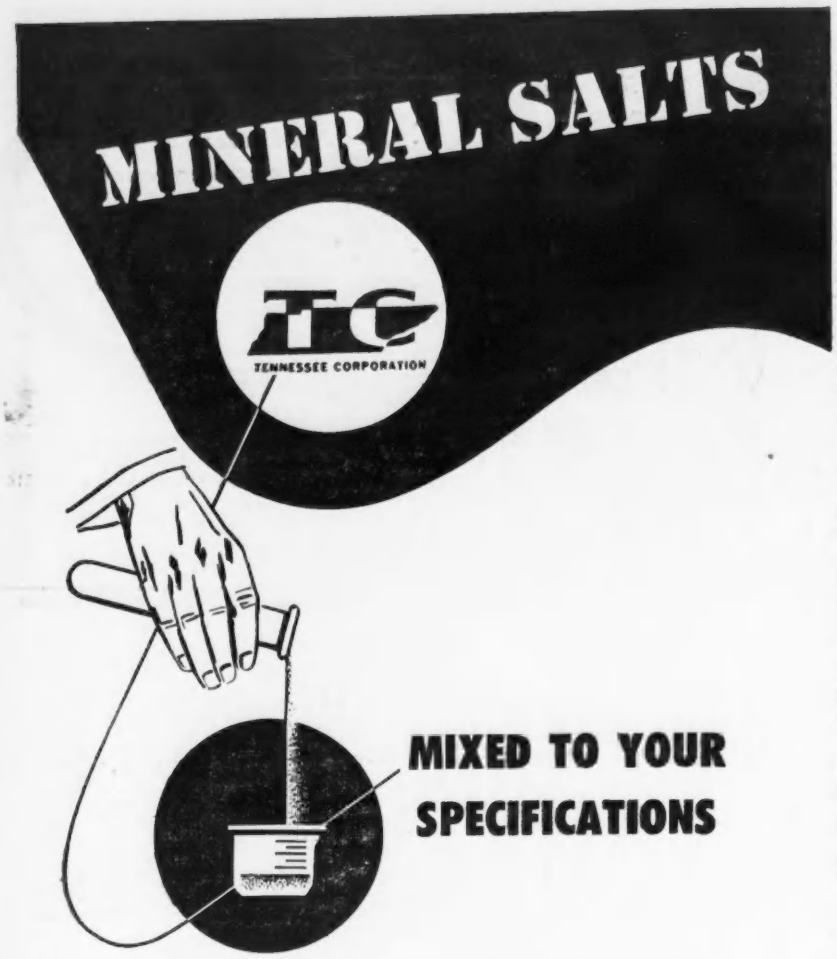

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U.S. Revenue Returns Decreased in September

Collections of internal revenue in the United States during September totaled $3,777,589,383.32, as compared with $4,092,233,725.47 in the corresponding month of last year, according to the Bureau of Internal Revenue of the Treasury Department. Among the collections reported by the bureau were the following:—

	September 1950	September 1949
Coconut and other vegetable oils processed	$1,509,927.05	$1,504,050.52
Distilled spirits, domestic, excise tax	138,824,309.81	118,312,509.44
Distilled spirits, imported, excise tax	13,049,804.48	11,128,837.72
Gasoline	55,158,300.48	46,081,713.66
Lubricating oils	6,869,327.56	5,361,638.59
Matches	1,417,505.33	649,638.10
Narcotics, including marihuana and special taxes	53,815.64	41,949.67
Oleomargarine, including special taxes	2,045.07	2,265,011.04
Silver bullion sales or transfers, stamp tax	1,201.99	4,941.77
Sugar	8,875,796.32	6,938,444.82
Toilet preparations, excise tax	7,542,472.12	6,859,445.59
Transportation of oil by pipeline	1,672,110.48	1,815,089.51

Miner Retires from DuPont

Harold L. Miner, who directed safety and fire protection activities for E. I. duPont de Nemours & Co., Wilmington, Del., for more than a quarter century, retired from the company October 31. Mr. Miner, a nationally known authority in the field, became associated with the concern in 1915 as a fire protection consultant. Beginning in 1916 and throughout World War I, he managed the duPont engineering department's fire protection division. In 1919 the fire protection division was transferred to the service department. Mr. Miner continued as manager, and in 1926, he headed a new division which combined all safety and fire protection activities of the duPont company.

Phila. Quartz Names Agent

Philadelphia Quartz Company, Philadelphia, has appointed Francis J. Sullivan sales representative in the metropolitan New York area. After completing the company's laboratory course, Mr. Sullivan was located in the Philadelphia area. His headquarters are now in Newark, N. J.

Pennsalt Moves Chi. Office

Pennsylvania Salt Manufacturing Company, Philadelphia, has moved its Chicago district sales offices to suite 1216, Builders Building, 228 North LaSalle street. The new office will be under the direction of George D. Grogan, district sales manager for the company's heavy chemicals department, and John C. Hampson, district sales manager for the special chemicals department.

Continental Can Promotes 3

Continental Can Company, New York, has promoted J. S. Snelham, formerly vice-president and comptroller of the concern, to the newly-created position of vice-president in charge of finance. The company has also advanced G. J. Barry from assistant comptroller and assistant treasurer to comptroller, and H. A. Swetfeger from assistant to the vice-president and comptroller to the post of assistant comptroller.

Cancell Leaves St. Regis

St. Regis Paper Company, New York, has announced the resignation of Benton R. Cancell as vice-president and general manager of manufacturing in the printing, publication and converting paper division. Mr. Cancell, who joined St. Regis in 1948, will become associated with the Rhinelander Paper Company, Rhinelander, Wisc.

GE Appoints Pechukas

The chemical department of General Electric Company, Pittsfield, Mass., has appointed Dr. Alphonse Pechukas engineering manager of its chemicals division. Dr. Pechukas was formerly director of research for the Columbia Chemical Division, Pittsburgh Plate Glass Company, at Barberton, Ohio.

S. African Co. Completes Plant

Industrial Chemical Products S. A. (Pty.), Ltd., Johannesburg, South Africa, has completed construction of a new plant at Lilianton, Boksburg. The plant, which is scheduled to start production operations this month, will be used for the manufacture of industrial, metallurgical, agricultural chemicals and various chemical specialties. The new plant replaces an old factory at Booysens, Johannesburg, which the company has been operating since 1939, and has five times the capacity of the older unit.

Trade Briefs

Worthington Pump & Machinery Corporation, Harrison, N. J., has named John V. Jirasek manager of sales activities in the petro-chemical industries.

Petroleum Heat & Power Company is building a new catalytic cracking unit at Corpus Christi, Tex., which is expected to get into operation in September, 1951.

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Obituaries

Helen Allen

Miss Helen Allen, executive vice-president, secretary and assistant to the president of Corday Parfums, Inc., died October 31 in New York. She was forty-two years old.

Miss Allen had served in the perfume industry for more than twenty years. She started her career with Storfer Laboratories, and joined Corday in 1933. During World War II, she was the only woman of the cosmetics section of the Office of Price Administration.

Samuel C. Dobbs

Samuel C. Dobbs, former president of the Coca-Cola Company, died October 31 in Lakemont, Ga. He was eighty-one.

Mr. Dobbs joined Coca-Cola as a salesman in 1890 and became president of the firm in 1919. He resigned the presidency a year later, but remained on the board of directors.

Arthur L. Griffin

Arthur L. Griffin, senior vice-president in charge of the production and engineering department of the F. S. Royster Guano Company, Norfolk, Va., died October 30. He was seventy-two years old. Mr. Griffin started with the company as an office boy fifty-five years ago.

Dr. Walter W. Palmer

Dr. Walter W. Palmer, director of the Public Health Institute of New York, died October 28 in Tyringham, Mass. He was sixty-eight years of age.

Dr. Palmer, a professor emeritus of medicine at Columbia University and a consultant at Presbyterian Hospital, began his teaching career as a fellow in medicine and instructor in physiological chemistry at Harvard University in 1913. He became assistant in medicine at the Rockefeller Institute, New York, in 1915. He was associate professor of medicine at Columbia and acting director of medical service at Presbyterian Hospital from 1917 to 1919.

After two years at Johns Hopkins Medical School as associate professor of medicine, he returned to Columbia as Bard professor of medicine, which position he held until 1947.

Clarence H. Person

Clarence H. Person, assistant divisional purchasing agent of E. I. duPont de Nemours & Co., Wilmington, Del., died October 26 in that city. He was sixty-three.

Mr. Person had been associated with the duPont purchasing department for thirty-five years. At the time of his death he was buyer for activated carbon, earth pigments and filter aids. From 1906 to 1915 he was employed by the Edison Cement Company, Stewartsville, N. J.

Surviving are his wife, Hazel A. Person; a son, David A. Person, and a daughter, Mrs Joan P. Whitson.

William B. Darling, of the plastics division of the Riegel Paper Company, New York, died October 28 in Bronxville, N. Y. He was forty-nine years old. Mr. Darling was a former secretary of the Society of the Plastics Industry and at his death was on its executive committee.

Edward M. Farrell, traffic manager for the Chile Exploration Company, New York, died October 28 in Brooklyn, N. Y. He was sixty-seven.

George C. Lee, a director of the United States Smelting & Refining Company and a retired member of the banking firm of Lee-Higginson Company, died October 28 in Westwood, Mass. He was seventy-nine.

William F. Munday, deputy controller of the International Nickel Company of Canada, Ltd., died November 1 in Teaneck, N. J. His age was fifty-four.

Alfred Petruzzi, Westchester County representative of Benjamin Moore & Co., New York, died October 31 in Ardsley, N. Y. He was fifty-two years of age.

Charles H. Sallade, a munitions expert with the Aetna Explosives Company during World War I, died October 29 in New York. He was seventy-one.

Dominic R. Siragusa, president of the Moulded Products Corporation, died October 29, in Chicago, Ill. He was thirty-seven years old. Mr. Siragusa founded the plastics firm in 1939.

Savoy, Sitrin Close Oil Deal

Savoy Oil Company has closed a joint operating agreement with Morris Sitrin, Tulsa, Okla., crude oil producer. The transaction involves 200 acres of oil land in Ellis County, Kan. Daily average net production is approximately 140 barrels, of which Savoy acquired an undivided one-half interest.

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Textile and Leather Chemicals

Trading in textile and leather chemicals was spotty last week, but total sales aggregated a fair volume. Consumers, however, continued to take good sized quantities against recently booked orders. Prices held on a steady basis for the entire list. Increased cost of production resulted in a fractional price advance in chestnut extract.

Supply situation in bichromates continued tight due to the light deliveries of soda ash. Production of sodium hydrosulphite also was restricted by the limited supply of ash.

Sizing materials continued in active request against current orders while new business was moderate, chiefly for actual requirements. Demand for potato starch was reported fair, while corn dextrin and starch moved at a good rate. Tapioca flour was unchanged and steady on spot and for shipment from primary centers. Trading in sago flour was slow, but prices were firm due to high cost of replacements.

Tanners showed little interest in tanning material replacements. Though new business was slow, prices for shipments were maintained at former levels. Domestic materials remained unchanged and steady, while chestnut extract was advanced fractionally.

Woolen and worsted system yarn production in August averaged 17,400,000 pounds per week, the highest rate in three years, according to the Census Bureau. Yarn output totaled 514,000,000 pounds for first eight months of this year, 20 percent higher than for the same period last year, but was still below the high levels of 1944-48. Department or Agriculture predicted that domestic wool prices would be higher next year and imports would have to be increased. The department estimated wool consumption this year at 410,000,000 to 440,000,000 pounds. This compared with an estimated domestic production of 254,000,000 pounds. The prospects are that wool production next year would fall 4,000,000 to 9,000,000 pounds, because of lower fleece weight, the department stated.

Market Trends

Prices Advanced
Chestnut extract, liquid, 35/100c. per lb. powder, 72/100c. per lb.

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
247.9	247.9	247.7	286.6	301.7

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride — Production in August totaled 83,012,208 pounds, compared with 80,742,637 pounds in July, according to the U. S. Tariff Commission. This market continued firm under a steady consuming demand. Prices were without change.

Bichromates—The supply situation was still tight due to sold up production, which was readily absorbed against a heavy backlog of orders. Slow improvement in deliveries of soda ash continued to affect the output of bichromates. Demand was keen. Market was strong and quotably unchanged.

Sodium Acetate—Buying interest was active for prompt delivery. Prices were maintained at unchanged levels.

Sodium Hydrosulphite—Supplies were still limited and moved into consuming channels against previous orders. Production has increased but was delivered against previous orders. Quotations were unchanged and firm.

Sulphonated Oils—Consuming demand was spotty, chiefly for prompt needs. All grades were unchanged and firm, reflecting the high cost of basic oils and fats.

Sizing Materials

Blood Albumin — Moderate volume of business was reported for prompt requirements. Market continued steady at prevailing quotations.

Corn Dextrin—Active consuming demand continued to feature this market. Production was sold ahead, with deliveries behind schedules. Prices of all grades were unchanged and firm. Sellers only accepted orders at the price on the date of shipment.

Corn Starch—This market was unchanged and firm. New business was active for prompt requirements. Deliveries against current orders continued in steady request. Orders were booked only at the price on date of shipment. Visible corn supply was reduced 1,077,000 bushels to 35,386,000 bushels for the week ended October 28, compared with 19,584,000 bushels for the same time last year.

Egg Albumen—Trading was reported fairly active, mainly for actual requirements. Market was unchanged and steady. Edible flake was quoted at $1.28 to $1.32 per pound, according to quantity and powder, $1.32 to $1.34. Inquiry for technical was moderate. Prices ranged from 77c. to 79c. per pound, as to quality and quantity.

Dried egg output during September totaled 3,739,000 pounds compared with 1,743,000 pounds in September last year and 1944-48 average of 7,293,000 pounds. Production consisted of 3,356,000 pounds of dried whole egg, 273,000 pounds of dried albumen and 110,000 pounds of dried yolk. The Government contracted for 82,111,808 pounds of dried whole egg through October 20 for price support purposes. Production of dried whole egg during the first nine months of 1950 totaled 82,708,000 pounds compared with 59,291,000 pounds during the same period last year. Liquid egg production was 21,658,000 pounds against 11,183,000 pounds during September last year and the 1944-48 average of 27,490,000 pounds. It was the largest output for the month since September, 1944, when production totaled 81,111,000 pounds. The quantities of liquid egg used for immediate consumption, drying and freezing were all larger than during September last year.

Production of frozen eggs during September continued on a comparatively high level. The quantity totaled 8,444,000 pounds compared with 5,448,000 pounds in September last year and the average production of 8,283,000 pounds. Production of frozen egg during the first nine months of 1950 totaled 345,819,000 pounds compared with 301,588,000 pounds during the same period last year—an increase of 15 percent.

Egg Yolk — Business was moderate. Prices for domestic were maintained at $1.14 to $1.16 per pound, depending upon quantity. Inquiry for Chinese yolk was spotty. Stocks on the spot were held at 87c. to 90c. per pound, duty paid, as to quantity. Production of yolk totaled 110,000 pounds in September, against 97,000 pounds for the same month last year.

Potato Starch—Consuming inquiry was light, though withdrawals against current contracts were in active request. Prices were unchanged and steady. Carlots were quoted at 5c. per pound, f.o.b. Maine and Idaho. Stocks on the spot were held at 7½c. to 7¾c. per pound, according to quantity.

Sago Flour—Trading was restricted to actual requirements. Market was steady, with the firmness at primary centers. Supplies on the spot ranged from 7½c. to 8c. per pound, according to quantity.

Tapioca Flour — Buying interest was spotty, mainly for actual needs. Prices were without change and steady. Brazilian high grade was quoted at 7½c. to 7¾c. per pound, as to quantity; mediums, 7c. to 7¼c. and low, 6¼c. to 6¾c.

Tanning Materials

Chestnut Extract — Increased cost of wood and labor resulted in fractional price advances for both liquid and powder extract. Seasonal demand was more active. Liquid extract, basis 25 percent tannin, was advanced to 3.75c. per pound, tankcars, f.o.b. works; 4½c. per pound barrels, carlots and 4.85c. per pound, barrels, less carlots, same basis. Powder, 60 percent tannin 9.72c. per pound, bags extra, carlots, works, and 10.42c. to 11.42c. for lesser quantities.

Divi Divi — Supplies were practically unobtainable at primary centers, and recently a small lot was sold at about $85 per ton, ex dock. New crop will not be available until January-February.

Quebracho Extract—Conditions continued firm at primary markets. Trading was reported spotty. Shipments were well held at current quotations.

Valonia—Consuming inquiry was inactive. Prices for shipment were well held at the recent advance.

Wattle—This market continued strong. Bark and extract were in limited supply at primary centers and firmly maintained at unchanged quotations. Inquiry for replacements was active.

For Late Market Developments, See Page 4

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries during the period October 30 to November 2 by the Economic Cooperation Administration were the following:—

To French North Africa—$250,000 for petroleum from the United States.

To Greece—$100,000 for aluminum from Canada.

To Italy—$150,000 for irradiated dried yeast and $2,000,000 for copper products from the United States.

To Netherlands—$50,000 for leather from the United States, and $430,000 for hides and skins from Latin America.

To United Kingdom—$5,000,000 for copper products and $812,000 for lead from the United States and Canada.

To Korea—$9,000,000 for nitrogenous fertilizer from the United States, Canada, Latin America, Japan, Austria, Belgium and Germany.

To Formosa—$204,000 for soybeans, and $310,000 for inedible prime tallow from the United States.

Morningstar, Nicol Named Magic Valley Sales Agent

Morningstar, Nicol, Inc., New York, has been appointed exclusive sales agent by the Magic Valley Processing Company, Twin Falls, Idaho. Magic Valley produced regular potato starch and chlorinated potato starches. Morningstar, Nicol already represents two other potato starch producers, New England Starch Company, of Houlton and Mars Hill, Me., and Aroostook Potato Products, Inc., Houlton, Me.

Celanese Names Dr. Tesi

Celanese Corporation of America, New York, has named Dr. A. F. Tesi assistant to the technical officer of the concern. Before joining Celanese he had been director of testing and merchandise standards for the W. T. Grant Company. Dr. Tesi was head of the consumer standards division of the American Standards Association for two years. He also held for fourteen years a commodity standards fellowship at the Mellon Institute which was established primarily for the setting of standards for consumer goods.

Sisson Named by USDA To Post at New Orleans

Dr. Wayne A. Sisson, cellulose expert of the American Viscose Corporation, has been appointed a collaborator of the cotton fiber division, Southern Regional Research Laboratory, New Orleans, La., to serve for a four-year period beginning October 1, according to Dr. G. E. Hilbert, chief, Bureau of Agricultural and Industrial Chemistry, Department of Agriculture.

Dr. Sisson will relieve Professor Henry A. Rutherford, head, department of textile chemistry and dyeing, University of North Carolina, Raleigh, and will serve on a panel with Dr. John H. Dillon, director, Textile Research Institute, Princeton, N. J.; Dr. Harold M. Spurlin, technical assistant to the director, Hercules Experiment Station, Wilmington, Dela., and Dr. Emil Heuser, retired research associate of the Institute of Paper Chemistry, Appleton, Wis.

DuPont Develops Textile Finish to Resist Wrinkles

E. I. duPont de Nemours & Co., Wilmington, Del., has developed a textile finish which is said to provide durable wrinkle resistance and shrink resistance to cotton and viscose rayon fabrics. Called "Zeset," the product is claimed to make possible the laundering and bleaching of many currently unwashable spun viscose rayon fabrics under usual home conditions without serious loss of strength and discoloration ordinarily encountered in home-bleached fabrics.

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Triple superphosphate was advanced last week as a result of increased producing costs which included the late increase in the price of sulphuric acid. The current supply situation is exceedingly tight with demand about 50 percent above production. Nitrogenous process tankage was priced higher with production heavily committed for the remainder of this year and well into 1951. Limited offerings of hoof meal brought higher prices at Chicago. Other packing-house byproducts remained relatively quiet at former price levels.

Export inquiries for phosphate rock have increased with prospects favorable for additional sales to Germany and Japan. Coke-oven ammonium sulphate for domestic use remained about in balance with production moving quietly through contract channels and no serious shortage in sight. The synthetic grade remained scarce for export with the market firm and a tendency to advance. There was no easement in the supply of ammonium nitrate with production heavily sold ahead. Nitrogen solutions remained in a well balanced position with a possible pinch in sight during the first quarter of next year. Dealers and distributors have continued to build up inventories of BHC and DDT for shipment next Spring. The exceedingly heavy demand for BHC combined with the increased cost of raw materials has resulted in higher prices being established.

Market Trends

Prices Advanced

BHC technical, ¼c. per gamma unit.
dry dust, ¾c. per gamma unit.
wet dust, ¾c. per gamma unit.
Hoof meal, 25c. per unit of ammonia.
Nitrogenous process tankage, 5c. per unit of ammonia.
Triple superphosphate, 4c. per unit of a-p-a.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
83.5	83.5	82.2	81.6	81.6

(*For Current Prices see Page* 9)

Nitrogenates

Ammonium Sulphate—Coke-oven material in balance with no real shortage for domestic account at present. Synthetic scarce and higher for export at $45 per ton in bulk and $49.50 in bags Gulf or Eastern ports.

Dried Blood—No unusual activity last week in this material or tankage. Prices for both were unchanged.

Argentina's exports of dried blood in August, 1950, totaled 652 metric tons, all to Europe. The United Kingdom was the principal purchaser. Exports of tankage during the month amounted to 4,166 tons. The United States was the leading buyer (1,856 tons), followed by the Netherlands and Belgium.

Fish Meal—According to the Department of the Interior, the market is expected to be rather firm over the last quarter, regardless of adequate supplies. The unpredictable quantity of west coast sardines and sardine waste that will be available for reduction will be a major factor in determining price levels. The pilchard has been one of the most variable factors in the total fish meal supply in recent years. However, the demand for fish meal as an ingredient in feeds is expected to continue strong despite the smaller numbers of poultry for the country as a whole, as compared with the number a year earlier. It looks as though some slackening of imports will take place during the quarter since in recent years, they have slackened off late in the period and this will be a factor contributing strength to the market. Present market quiet with $130 per ton named for menhaden in the Baltimore area.

Hoof Meal—Fractionally higher with sales reported at $7.50 per unit of ammonia, Chicago basis.

Nitrogenous Process Tankage—Priced higher with market definitely tight and production heavily under contract. The price range is from $4.15 to $4.50 per unit of ammonia.

Sodium Nitrate—Seasonal requirements being satisfied promptly from a comfortable supply situation. Price position steady and unchanged.

Phosphates

Phosphate Rock—Moving steadily against contracts to domestic consumers. Export inquiry more active for Japan and Germany with sales reported of sizable quantities about to be consumated. Supply situation comfortable, market firm

Superphosphate — Triple has been advanced 4c. to 84c. per unit of a-p-a for bulk f.o.b. East Tampa, Florida. The upward revision is the result of higher producing costs, occasioned by higher sulphuric acid, oil and handling charges. The supply situation has remained exceedingly tight. Normal is now heavily sold on contract and available stocks are also scarce.

Potashes

Spasmodic boxcar shortages have been experienced during the past month although a substantial tonnage has been moved from works. Some foreign material is being received from Spain and according to trade reports more is coming from eastern and western Germany.

Present capacity of potash mines in the Combined Zone of Germany is not considered sufficient to cover the anticipated demand from agriculture, industry, and the export trade for 1,000,000 metric tons of K_2O annually. Additional mines could resume operation without great difficulty, it has been stated.

Los Angeles Fertilizer Market

Los Angeles.—A somewhat stronger market is noted here for organic fertilizers. Both blood meal and fish meals are stronger following light inquiry the past several weeks. Supplies of Canadian inorganic material continue to improve with regular shipments arriving in this area.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, domestic, f.o.b. Los Angeles. $71.55 per ton for Canadian material, f.o.b. Los Angeles. Ammonia phosphate, $53 per ton for 16 20 grade; $77.50 for 11 48 grades at source. Both Canadian material. Ammonia sulphate, $49 per ton in bags, f.o.b. Los Angeles. Canadian material $44 at source. $2.50 less for bulk. Blood meal, $6.50 per unit of ammonia at source. Bone meal, $70 per ton for domestic, steamed, 1/30 meal, f.o.b. Los Angeles. Calcium Nitrate, $44.25 per ton, 15½ percent nitrate, c.i.f., Los Angeles Harbor. Fish meal, $113.75 per ton for 65 percent sardine, f.o.b. Los Angeles; $120.60 per ton for 67 percent sardine, f.o.b. San Francisco. $102 per ton for 60 percent tuna, f.o.b. Los Angeles. $122.50 per ton for 70 percent Alaskan herring, f.o.b. Seattle. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton in bulk.

Pesticides

BHC—Priced higher as a result of increased producing costs, occasioned by higher raw materials and an unusually heavy demand. Producers name 2c. per gamma unit for carlots and 2.10c. for l.c.l. f.o.b. the works. Dry dust 2¾c. per gamma unit carlots to dealers and 2.95c. for l.c.l., wet dust 3¼c. per gamma unit carlots and 3.35c. for l.c.l. delivered Production in August totaled 5,168,990 pounds, compared with 5,272,128 in the preceding month. The gamma isomer content in August was 690,347 pounds, against 710,390 in July.

2,4-D—Production in August amounted to 1,066,741 pounds, compared with 1,097,315 in the month of July.

DDT—Output in August totaled 5,252,372 pounds, against 5,943,990 in July.

2,4,5-T—For mesquite in west Texas the scientists used two-thirds pound of the ester form of 2,4,5,-T in 5 gallons of 20 percent oil emulsion. Cost of this treatment for large scale operations is estimated at $3 an acre. The kill is 98 percent for the tops of the brush and more than 50 percent of the roots. The chemical has given 65 percent kill when applied as a ground spray to mesquite foliage and up to 90 percent kill when used to treat the cut surfaces of stumps. Spray applications to the lower 12 inches of the trunk have killed both tops and roots.

Sulphur

Domestic sulphur industry produced 446,245 long tons of native sulphur during the month of September, 1950, according to reports of producers to the Bureau of Mines. In the first three quarters of 1950 a total of 3,892,363 long tons were produced. During the month, 533,437 long tons of sulphur were shipped—the largest tonnage ever shipped in a single month. Producers' stocks on September 30 were 2,835,688 long tons, compared with 2,935,503 on August 31 and 3,139,785 long tons on September 30, 1949.

For Late Market Developments, See Page 4

Naco Fertilizer Co. Names Morrison to Executive Post

Kenneth D. Morrison, formerly vice-president in charge of the mixed fertilizer division of the Davison Chemical Corporation, Baltimore, Md., has been appointed assistant to the chairman of the board of directors of the Naco Fertilizer Company, a subsidiary of W. R. Grace & Co.

In his new post, Mr. Morrison will have full responsibility for all operations and activities of Naco and will direct the management of the company's plants in Jacksonville and Fort Pierce, Fla.; Wilmington, N. C.; Charleston and Spartanburg, S. C., and Findlay, Ohio. He will also have charge of sales offices and agencies in other cities He will maintain his headquarters in New York.

Int'l Minerals Corp. Names Thomas Service Manager

Dr. R. P. Thomas has been appointed manager of the technical service department of the plant food division of International Minerals & Chemical Corporation, Chicago, effective November 1. Dr. Thomas, formerly professor of soils at the University of Maryland, has been on a temporary assignment with International during recent months assisting in market survey studies. In his new capacity he will work with the other departments of the plant food division in the utilization of scientific and research developments in fertilizer manufacture and use.

Kesling Joins Innis, Speiden

J. P. Kesling, for the past five years on the technical sales staff of the Dicalite Corporation, has joined Innis, Speiden & Co., New York, as a member of its technical sales and service staffs. Mr. Kesling was in the technical service department of the Diversey Corporation for five years. He opened and managed the Baltimore office for Dicalite before he was transferred to its New York office for technical sales work.

Prentiss Ready to Market New Warfarin Rodenticide

"Rax Powder," a new rodenticide containing warfarin, is out of the experimental stage and is expected to be on dealers' shelves in time for Fall rat control programs, it was announced last week by Friar Thompson, manager of the insecticide division, Prentiss Drug & Chemical Company (formerly R. J. Prentiss & Co.), New York.

As nationwide distributors of "Rax Powder," Prentiss now is offering the material for repackaging or for professional use. Bulk prices are as follows:—Five-pound packages, $2.15 per pound; twenty-five pound drums, $2.05; fifty-pound drums, $1.95, and truckloads (fifty-pound drums), $1.65.

Fertilizer Prices

—*Continued from page 3*

use of potash as fertilizer has increased slightly more, approximately three and one-tenth times the 1935-39 average.

Plant capacity for production of nitrogen is sufficient to furnish 15 percent more than was available for use as fertilizer last year and also to take care of presently estimated non-agricultural demands. Approximately 1,000,000 tons were available for fertilizer use last year.

Chemicals Production Capacity

There is installed capacity within the industry to produce approximately 2,800,000 tons of available phosphoric acid. A little more than 2,000,000 tons were available for use as fertilizer last year. Probably the only immediate problem in the way of full scale production of superphosphates is the lack of adequate supplies of sulphuric acid.

Present capacity for potash production in this country is about 1,200,000 tons. This is only about 100,000 tons greater than was used as fertilizer last year. But it is expected that during 1950-51 a considerable tonnage of French and Spanish potash will be imported, plus additional tonnage from Western Germany.

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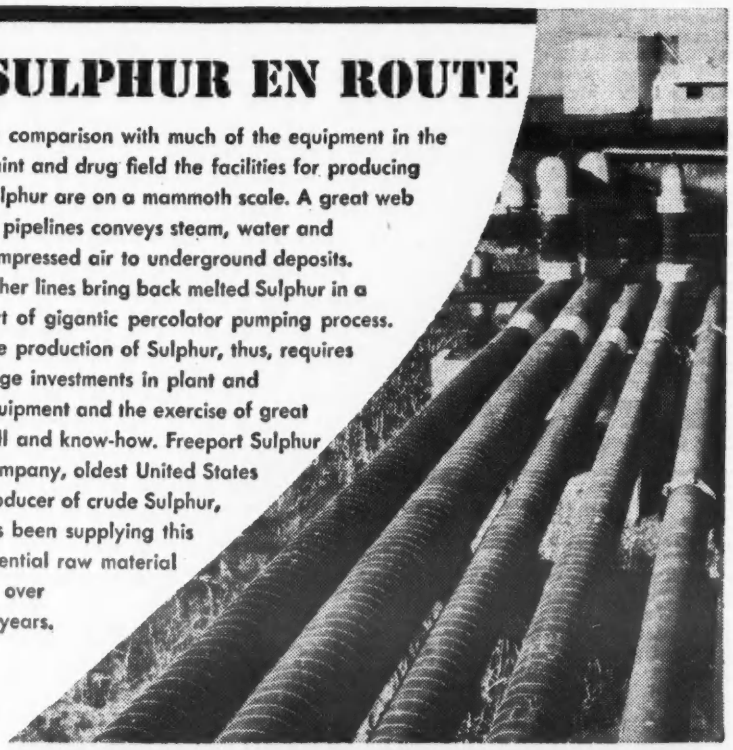
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Coaltar Chemicals

Price movements were underway in the industry on pyridin. The refined 2 degree material was advanced in some quarters by 15 cents per pound, and alphapicoline by 10 cents per pound. Other producers had the matter under consideration, and the indications were that the price advances would become general in the industry, perhaps by next week. Betagammapicoline advanced 8½ cents per pound, and petroleum cresylic acids were upped from 5 to 8 cents per gallon depending upon the grade.

In addition one major producer of tar acid oils and neutral oil adjusted prices to partially offset increased drum costs. The spread between tankcars and drum carlots was increased from the old differential of 8 cents per gallon to a new higher differential of 10 cents per gallon. Meanwhile, the price differential between drum carlots and less carlot drum quantities was narrowed from the old 3 cent differential to a lower differential of 2 cents. The net effect on drum prices of these drum differential changes was an advance of 2 cents per gallon in carlot drum quantities, and 1 cent per gallon on less than carlot drum quantities.

Within the 3 cent per pound spread in the market between the quotations of various producers of phthalic anhydride, there became effective last week on contract a higher schedule by 1½ cents per pound on the part of certain large producers. It could be said with certainty that the major physical volume of phthalic anhydride was now moving at prices which were directly in the middle of the current range shown in OPD.

The American Iron and Steel Institute reported the operating rate for the week ended November 4 as 102.4 percent of the theoretical capacity, equivalent to 1,975,000 tons of ingots and castings. This was the seventh consecutive week that the industry has operated in excess of the theoretical 100 percent figure. The previous week production stood at 1,978,900 tons, and one year ago the output was 162,000 tons.

Basic Products

Benzol — Price patterns established in the industry on domestic production some weeks ago, prevailed in a firm position at 30c. per gallon in tankcars f.o.b. at most shipping points, although some few points were quoted at 31c. and 32c. Demand was far in excess of production, and in order to keep up as well as possible with demand for benzol derivatives, consumers of benzol were buying in any quarter where even only limited quantities could be found. By virtue of considerably increased costs, production from petroleum sources moved at prices considerably higher than coaltar source benzol. All available quantities on the import market were being purchased at substantially high prices. Even resale material on which prices had been drastically marked up, moved promptly.

Creosote — There was no shortage of creosote, but the operations of the wood preserving industry were such as to maintain a strong demand, and material moved in heavy volume. There was no backing up of supplies at producing points. Prices held firmly to their recently established higher levels, and were expected to remain steady at least for the balance of the year.

Cresol — Metapara was acutely tight, and all the other grades were short by virtue of a demand which was far in excess of supply. Some consumers were using orthocresol where it could be fitted into formulas, either in whole or in part, because of the extreme general shortage in cresols. Prices were unchanged from the levels which have prevailed over recent months, and the feeling was generally held that current schedules would prevail until the year end.

Cresylic Acid—Petroleum cresylic acids went up sharply in price in a movement started in late October and completed by the end of the month. The amount of the price advance varied with the grade, but the lower boiling grades which are in greatest demand moved up some 8c. per gallon.

Under the new price schedule, f.o.b. West Coast plants, tankcar prices on acid boiling in the range of 195° to 213°C was priced at 58c. per gallon. The 200° to 222°C acid was also priced at 58c., but a specially refined grade in this boiling range was available at 63c. per gallon. Acid boiling in the range of 211° to 236°C was priced at 50c. per gallon. Also priced at 50c. per gallon was the regular grade of acid boiling at 220° to 242°C, but there was also available a special refined grade of acid in this boiling range at 53c. Quotations of 46c. per gallon were maintained on the high boiling acids which had distillation ranges of 237° to 265°C, and 245° to 298°C.

The price position of ADF imported cresylic acid was essentially unchanged from that of a week ago, in which a firm position of $1.15 to $1.20 per gallon was maintained. Domestic coaltar produced cresylic acids were unchanged from price levels which were established at the end of the third quarter.

Supplies of all domestically produced cresylic acid were short, and low boil acids were particularly tight. Imported coaltar acid was generally tight, much of the available material having been bought up for an extended period, and drum shortages at the source tending to hamper shipments. The low boil petroleum cresylics were in short supply, and demand for the higher boiling materials was fairly good but supplies were in a satisfactory position.

Naphthalene — Heavy consumer demand continued to characterize the market, as phthalic anhydride continued to be turned out at capacity levels. Supplies were generallyj good, with substantial imports of English and continental material continuing to arrive to augment the domestic output. Prices were unchanged from levels established during the third quarter on domestic, and as recently reported on imported material.

Phenol—The shortage of this item, as a result of the benzol scarcity, was acute. Consumers could not get sufficient material to meet more than their most pressing immediate requirements, and at times could hardly get that much. All producers were operating under a heavy backlog of orders, and were allocating their output to established accounts on the basis of previous purchases.

Prices were unchanged from levels established at the first of August on spot and September 1 on contract. Meanwhile, manufacturing and raw material costs had increased sharply, with higher priced caustic, benzol, and chlorine. However, manufacturers were currently absorbing the increased costs, but whether or not they could continue to do so for the balance of the year, was a matter of conjecture.

Pyridin — One maker advanced prices on refined 2 degree material by 15c. per pound. This brought less than carlot drum lots to $1.05 per pound, from the previous 90c. As of presstime other producers had not as yet gone along with the price rise, but were in the process of studying costs, and the indications were that within a week or so the $1.05 per pound price might become general. Demand was far in excess of production, creating a severe shortage from which

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acid, cresylic, petroleum, 5c. to 8c. per gal.
Betagammapicoline, 8½c. per lb.
Shingle stain oil, 2c. per gal.
Tar acid oils, dms., c.l., 2c. per gal.
l.c.l., 1c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
123.2	123.2	123.2	110.1	110.1

(*For Current Prices see Page 9*)

Coke By-Products

Total estimate of by-product coke-oven operations in the week ended November 4 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	962.924
Ammonia sulphate	lbs.	33.140.690
Benzol	gals.	3.244.924
Coaltar	gals.	14.773.640
Creosote oil	gals.	593.583
Naphthalene, crude	lbs.	2.018.184
Pyridin, refined	lbs.	23.743
Toluol	gals.	613.369
Xylol	gals.	158.289

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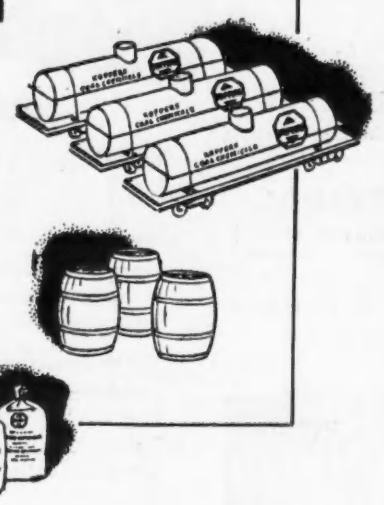

there was at this time no foreseeable relief.

Toluol—The demand for this item was strong in the face of a real shortage. Coaltar producers were experiencing the same sort of scarcity that has characterized their market for several months, and the pressure of demand was somewhat more acute because of the shorter supply position of petroleum producers, a shortage induced in part by the heavier aromatic requirements for aviation gasoline production. Meanwhile, the overall solvent demand was on the increase.

The Tariff Commission reported coke-oven production as amounting to 2,634,715 gallons as against a July output of 2,440,819 gallons. Production from all other sources accounted for 2,914,044 gallons in August, compared with 2,393,653 gallons in July.

Xylol—Supplies in all sections of the market were tight. Demand was heavy from virtually all consuming channels. Prices were firm. Production from both coaltar and petroleum sources totaled 6,563,180 gallons in August, as compared with the July output of 6,557,960 gallons.

Intermediates

Alphapicoline—Demand was said to be on the upgrade. Prices were advanced by 10c. per pound in some quarters last week, and it was felt that when cost studies now underway in other producing areas were complete, that the market in general would be up by this amount. Under the new price schedule announced by one maker, less than carlot drum quantities were quoted at 40c. per pound whereas the old quotation was 30c. For this issue, at least, a range of 30c. to 40c. per pound between different producers was noted.

Anilin—Prices remained unchanged although raw material costs had increased since the latest upward price adjustment, by a considerable amount. Higher increased manufacturing and material costs, made anilin under its present price structure an unattractive item profitwise. However, as of last week, it appeared that manufacturers would continue to absorb the increased cost for the balance of the year. Benzol and chlorine were higher, and scrap iron was high in cost.

Stocks were in critical supply, reflecting the benzol shortage, and there was no apparent hope of any easing of the situation during the balance of the year.

Betagammapicoline—Last week the price of this item advanced 8½c. per pound. In less than carlot drum quantities which is the quantity in which the item is mostly sold, prices were moved upward from 21½c. per pound, to 30c. Back of the price increase was the steadily increased cost of raw materials and manufacturing which has repeatedly advanced, while the price level of betagamma picoline has remained unchanged.

Nitrobenzene—Oil of myrbane demand was well in excess of the short supply available, the shortage being the direct result of the critical benzol supply position. Prices were unchanged from the 9c. per pound quoted on tankcars over recent months. Drum carlots were listed at 10c., and less than carlot drum quantities at 11c.

Orthocresol—This market had for a long time been relatively slow, and prices had been depressed under pressure of foreign competition to a point where the item was so unprofitable as to cause some producers to abandon it. Recently, particularly since the advent of the Korean war, the foreign competition had diminished very significantly, resulting in an increasing demand for domestic production, and the overall cresol and cresylic acid scarcity had also led to a heavier orthocresol demand as a consequence of partial replacement in certain end uses. Prices were unchanged.

Phenylmethylpyrazolone—This market having been severely hurt in both price and business volume, in the pre-Korean war period by heavy offerings of low priced material from the continent of Europe, had by last week regained its former firm position to a considerable extent. This was true because of the declining shipments from abroad, and an increased interest in the item since the outbreak of the Korean war. Demand for antipyrene and aminopyrene both in domestic and export markets was on the increase, resulting in heavier demand for phenylmethylpyrazolone.

The supply position, while not tight, tended toward the short side, because when foreign competition some months ago drove prices down to a point where the item was virtually no longer profitable, some producers went out of business on the item. Despite the increased demand for this chemical intermediate,

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prices had not as yet been increased, and 250 pound drums were still quoted on a delivered basis at $1.51 per pound, with smaller quantities at $1.71 per pound.

Phthalic Anhydride—Prices were firm and unchanged, in so far as the spread in the market of 3c. per pound between different producers was concerned. However, November 1 saw the effective price under contract of more producers at levels 1½c. per pound higher than previously. Accordingly, it could be said with certainty that the major physical volume of phthalic anhydride was now moving at prices of 19c. per pound in bag carlots and 20c. in less than carlot bag quantities. Substantial amounts continued to move at the old price of 17½c., and some material was moving in substantial quantities at 20½c. per pound.

Shingle Stain Oil—More or less in line with the recent upward price pattern in the creosote market, shingle stain oil was quoted at similarly higher prices. Tankcars were listed at 21c. per pound, up 2c. per gallon from the previous 19c. Drum carlots were priced at 31c. per gallon and 33c. in less than carlot drum quantities, under the new schedule. These prices were at the level of sales to manufacturers of shingle stains, and were on an f.o.b. works basis.

Tar Acid Oils—On the various cresylic percentage tar acid oils as sold to such consuming industries as the disinfectant trade, one maker adjusted prices of drums upward to partially compensate for the increased cost of drums. Under the revised tar acid oil price schedule the spread between drum carlots and tankcars was increased to 10c. per gallon. The differential between drum carlots and less than drum carlot quantities was reduced to 2c. per gallon, by the same maker. Heretofore, the carlot/less carlot price differential had usually been 3c per gallon. The old price spread between tankcars and drum carlots had previously been 8c. per gallon.

The net effect of these changes in drum price differentials, was to increase drum carlot quotations by 2c. per gallon, and less than drum carlot quotations by 1c. per gallon. This pricing policy applied to all of the various grades of tar acid oils, and to neutral oil.

Koppers to Construct Coke Battery for Sloss-Sheffield

Sloss-Sheffield Steel & Iron Company, Birmingham, Ala., has awarded Koppers Company, Pittsburgh, Pa., a contract to construct a new battery of thirty coke ovens at its Birmingham plant. Cost of the new ovens will be in the neighborhood of $2,000,000.

Sloss-Sheffield now has two batteries of sixty ovens each at its Birmingham plant. The new battery of Koppers ovens will raise the total to 150 and will give the Birmingham firm a coal carbonizing capacity of 3,280 net tons per day as compared to 2,700 net tons now. Work on the new ovens is to start at once and will be pushed to completion as rapidly as possible.

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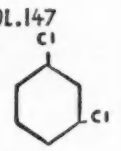
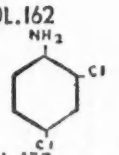
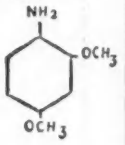


1-AMINO-2.4 DICHLORBENZENE MOL.162
POINT OF SOLIDIFICATION 60 - 61°C



AMINO-RESORCIN-DIMETHYLETHER MOL.153
POINT OF SOLIDIFICATION 35°C



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Barrett Marks 60th Year

—*Continued from page 5*

nitrogen from the air and convert it into ammonia was built and put into operation in 1921 at Syracuse, N. Y., by Atmospheric Nitrogen Corporation, an Allied subsidiary. Eight years later Atmospheric Nitrogen constructed at Hopewell, Va., one of the world's largest ammonia plants and production at Syracuse was discontinued.

Barrett has marketed the output of these plants, introducing anhydrous ammonia and ammonia liquor for the manufacture of mixed fertilizer in 1927; "Arcadian" nitrate of soda in 1929; nitrogen solutions in 1932, and "A-N-L" brand fertilizer compound in 1943.

During World War II, utilizing methods perfected at Syracuse and Hopewell, Atmospheric Nitrogen constructed and operated two government-owned synthetic ammonia plants, one at South Point, Ohio, and the other at West Henderson, Ky. Following the war, Allied's Solvay Process Division leased the South Point plant and later purchased it. Today this plant is an added producer of Barrett nitrogen products.

Scintillation Anthracene Spurs Use of Counters

Development of scintillation grade anthracene has stepped up generally the use of scintillation counters, according to Reilly Tar & Chemical Corporation, Indianapolis, Ind. The counter, a new device to detect and count atomic particles and radiations, is being employed both in atomic energy research and in industry.

The phosphor, that part of the device which emits light when exposed to radiation, has been the limiting factor in the development of the scintillation counter, Dr. F. E. Cislak, Reilly director of research, explained. The phosphor must be in the form of an optically clear, single large crystal.

Although anthracene possesses most of the necessary properties of an ideal phosphor for the counter, it was found that the purest anthracene previously available could not yield sufficiently large crystals to be used in the device, or else had a high optical density because of impurities it contained. Consulted by the physic department of the University of Rochester, Reilly research and development technicians went to work on the problem, ultimately coming up with a high purity coal-tar chemical which was named scintillation grade anthracene.

Calco Appoints Three

The dyestuff department of Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J., has appointed David T. Cornfoot assistant to the manager for the Boston, Mass., office, and W. E. Small to the post of assistant to the manager for the Providence, R. I., office. At the same time, Cameron Mackenzie was named to a newly-created position with the responsibility for coordinating certain activities between Calco's Bound Brook plant and the Boston and Providence sales offices.

Felton Has Dallas Office

Felton Chemical Company, Brooklyn, N. Y., has opened a new office and salesroom at 209 North Hawkins street, Dallas, Tex. In charge of the new office is Herbert D. Berger, who previously had served as a Felton field representative in other areas.

Callison & Sons Distributing Test Samples of Peppermint Oil Types

To demonstrate that differences do exist in peppermint oils, a series of six test samples of different types of peppermint flavored candies is being produced and mailed to leading confectionery manufacturers by I. P. Callison & Sons, Seattle, Wash. The firm is one of the primary suppliers and rectifiers of peppermint oil, serving chewing gum and dentifrice manufacturers, as well as the candy industry.

The series of six mailings includes hard candy, cream wafers, chocolate-coated mint wafers, Boston mints, "mello" mints, and chocolate-coated honeycomb mint chips. In each instance, three different variations of flavor are presented, identified by different colors of foil wrapping. Manufacturers are invited to use the samples as a "blindfold" test among their own staff members.

Coty Promotes Despres

Coty, Inc., has elected Jean Despres, general sales manager of the company, to the post of executive vice-president.

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Petroleum Derivatives

The market position of toluol and xylol remained largely unchanged during the past week. Demand was still high and looked as though it would stay that way. Supplies were tight and if the Spring demand should be heavy next year, it was feared that aromatic solvents would become even more difficult to obtain. Intermediate aromatic solvents were pretty much unchanged, with the demand running high and supply tight. Higher boilers showed no inclination to move from their previous market position. Demand was heavy and the supply continued snug.

Aliphatics were about where they had been. The demand was good and supply was generally sufficient to meet it without trouble. However, lacquer diluent was beginning to feel the shortage of toluol. One supplier said it was out of stocks on the East Coast and another stated that it would be in a tight spot if the toluol situation became any worse. Mineral spirits were all right at present but were probably not strong enough to withstand any sharp increase in demand.

LPG's were moving well but were still waiting for the influence of the Winter market. Cold weather that looked as though it had come to stay would naturally put up the demand. Waxes were holding at previous levels. Demand for both microcrystalline and paraffin was good although the supply left something to be desired. Demand continued good for petrolatum and white mineral oils, with the latter a little stronger on supply.

Solvents and Diluents

Aromatic Solvents—No real change was noted in the market for either toluol or xylol last week and there was no promise of any change in the immediate future. The demand remained strong and the indications were that it would go on that way. Supplies were tight and some thought they would become tighter, especially if the Spring demand turned out to be heavy. Prices, however, were still holding at their previously noted levels and there were no signs that there were any revisions in prospect. Higher boilers held to their previous position of tightness in a market that was featured by heavy demand. Prices were unchanged. Intermediate aromatic solvents were holding on price. Demand was at strong levels while the supply continued tight.

Cleaners' Naphtha — Supply held at levels sufficiently high during the past week to accommodate the normal needs of the market but there was no surplus. Recently there had been some signs that the material was a little tighter. Demand was good and it looked as though it would stay that way for some time. Prices were holding and gave no indications of any immediate changes.

Lacquer Diluent—One producer said last week that the shortage in toluol had just about put it out of stock of lacquer diluent on the East Coast. Another stated that the material had not become any tighter as yet, but would if the toluol situation should get any more troublesome. There were no changes reported in the price listings and there were no definite indications that there would be any in the immediate future.

Mineral Spirits—Supply was sufficiently strong to meet the normal needs of the market at the present time, but was not at such high levels that it could stand any sudden and heavy upswing. Demand was not showing much change from the levels of recent weeks. The price structure was holding and gave no signs of any changes in the immediate future.

Rubber Solvent—Pricewise, the market was without feature during the past week and there were no signs that there were any revisions in prospect at this time. The demand was still going along at a good level and was expected to continue that way. Supply was high enough to accommodate the needs of the market without any particular difficulty.

Stoddard Solvent — The demand was good last week and was expected to go on that way. Supply was sufficient for the current needs of the market, but it was said that a sharp upward turn in ordering might put a considerable pinch on it. The price structure was unchanged and there were no indications of any revisions due at this time.

V. M. & P. Naphtha—The demand held at good levels during the period under review and the signs were that it would go on that way for the immediate future, at least. The supply was strong enough to take care of the normal wants of the market without any particular difficulty. Prices were unchanged and there were no indications of any revisions due at this time.

Market Trends

Prices Advanced
None
Prices Reduced
None
(For Current Prices see Page 9)

Lighter Fractions

Heptane—Demand held at good levels last week and was expected to continue doing so. Supply was high enough to accommodate the normal needs of the market without straining. There were no changes reported in the price listings and there were none anticipated for the immediate future, at least.

LPG's—Demand was holding up at good levels during the past week, but with the weather still to take a definite Winter turn, the strong seasonal demand had not been felt. Supply was strong enough to accommodate the normal wants of the market. There were no changes in price reported and there were none that appeared imminent.

Waxes

Microcrystalline — Prices were unchanged during the past week and there were no indications that there would be any at this time. The demand was still going along at good levels and appeared likely to continue that way. The supply was not so strong as either sellers or consumers would have liked to see it.

Paraffin—The demand was holding up very well last week and appeared likely to continue that way. Supply was not up to what could be called strong levels and there seemed to be no prospects that it would be immediately. The price listings held unchanged and there were no concrete indications that there would be any in the immediate future.

Miscellaneous

Petrolatum—Demand held at a high point during the week and there were indications that it would go on at such a level for some time to come. Supply was tight, with the material generally on the scarce side and no signs that there would be any immediate easing. Prices were holding and there were no indications that there would be changes at this time.

White Mineral Oils—Although the supply was far from abundant, it was reported in one section of the trade during the week that it was about up to demand and that shipments could be made with reasonable promptness. Demand continued good and showed signs of going on that way. Prices were without feature.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended October 21 totaled 243,336,000 barrels, according to the Bureau of Mines. Compared with the total of 241,117,000 barrels for the preceding week, this represents an increase of 2,219,000 barrels, comprising an increase of 1,719,000 barrels in stocks of domestic crude and an increase of 500,000 barrels in stocks of foreign crude.

Los Angeles Petroleum Market

The solvent and diluent market is without change and both supplies and demand are reported at a good level. Cleaning solvents, including Stoddard, quoted from 15.7c. to 19.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16.7c. to 20.7c. per gallon, same basis.

Demand continues heavy for L.P.G.'s with butane still in short supply. Listings are unchanged with butane quoted at 6.3c. per gallon, tankcars, f.o.b. Los Angeles and propane quoted at 5.8c. per gallon, same basis.

High melting point paraffin waxes remain on the tight side with steady demand reported. Present listings are:—122/128 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, 6.95c. per pound. 142/147 ASTM, same basis, 7.05c. per pound. 146/148 ASTM, same basis, 7.16c. per pound. 157/162 ASTM, same basis, 7.8c. per pound. Tankcar prices quoted 6.55c., 6.65c., 6.75c. and 7.4c. per pound respectively.

For Late Market Developments, See Page 4

Esso Standard Introduces Gasoline to Combat Stalling

The first premium-grade gasoline designed specifically to combat "cold stalling," a condition resulting from the high volatility of modern gasolines, was introduced November 1 by Esso Standard Oil Company, New York.

According to research conducted by Esso Laboratories, "cold stalling" is due to ice formation similar to frost in the carburetor at the throttle plate, idling jet and surrounding parts due to the refrigerating effect of evaporating gasoline. Rough idling and eventual cold stalling results as ice builds up and the engine becomes starved for fuel and air.

The new gasoline will replace the company's present premium grade in states from Maine to Maryland and northern Virginia.

Dow Corning Issues Grease Data

Dow Corning Corporation, Midland, Mich., has issued a reprint of a data sheet, "How to Use Dow Corning 44 Silicone Grease in Bearings of Electric Motors." The publication gives complete information on methods of lubricating various types of bearings and suggests relubrication schedules based on laboratory and testing and field experience.

Radio-Isotopes Used To Develop Motor Oil

Development of a new motor oil perfected by use of radio-isotopes produced by the Atomic Energy Commission has been announced by Standard Oil Company of California, San Francisco. The new oil will be put on the market immediately, Standard said, replacing the company's present RPM premium-type lubricant. The new oil is claimed to cut wear-rate of critical engine parts in half, and double the low-oil-consumption life of the average automobile engine.

Ethyl Corp. Names Agent

The Ethyl Corporation, New York, has appointed Michael A. Remondino technical representative covering the eastern sales region and Canada for the concern's research laboratories in Detroit, Mich. Mr. Remondino succeeds Charles B. Kass, who has been named to the staff of the laboratories' newly-created information division. For the past year Mr. Remondino has served as a research engineer in the commercial engine and fleet section of technical service.

Chesebrough Rebuilding Completed

Reconstruction of the Chesebrough Manufacturing Company plant at Perth Amboy, N. J., which was damaged in the South Amboy munitions blast last May, has just been completed, it was announced November 1 by the Wigton-Abbott Corporation, engineers and contractors of Plainfield, N. J., who undertook the operation.

Pacific Western Oil Issue Planned

Pacific Western Oil Corporation has called a stockholders' meeting for November 15 to vote on a plan to issue 1,374.007 shares of cumulative preferred stock. The plan calls for the distribution of new preferred shares of 4 percent, $10 par stock to common holders on a share-for-share basis before the end of 1950.

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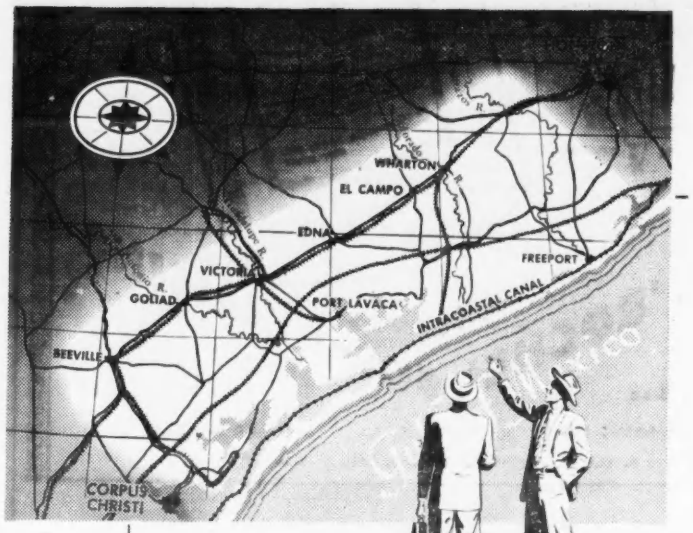

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Drugs and Fine Chemicals

Pure alcohol advanced 15 cents per gallon over the lowest price schedule which prevailed in the market during October. This narrowed the market from the previous spread of quotations between different producers of 35 cents per gallon, to a current price spread of 20 cents per gallon between the low and the high in market quotations. Some grades of denatured alcohol advanced only 5 cents per gallon.

Digitoxin, along with a number of other drugs, was moving in a market which since the Korean war, had been relieved of much of the pressure of foreign source competition in both domestic and export markets. Antipyrene and aminopyrene were materials similarily affected. The latter were unchanged in price, but digitoxin advanced 50 cents per gram.

Higher manufacturing, shipping, and raw materials costs resulted in a 3.9 cents per pound increase in price schedules. Codliver oil in the domestic market moved up another 10 cents per gallon. Demand for brewer's yeast over recent weeks had soared above normal levels as a result of sharply increased demand for small package material for retail sales, stimulated by recent nation-wide dietary publicity.

Demand for ergosterol, both irradiated and unirradiated was on the increase, primarily in the direction of use in vitamin containing preparations, frequently in connection with synthetic vitamin A formulations. Calcium and sodium lactate, and the various grades of milk sugar, were in ample supply, and held firmly to the price pattern which has long been in effect.

Butyl alcohol and its derivatives were in short supply, and higher butyl alcohol prices in some sections of the industry, resulted in an upward adjustment of several of the butyl derivatives. Ester solvents of all types were scarce, and there was no relief expected in the current tight markets until after the first of the year.

Various sections of the chemical industry viewed the early 1951 period with quite opposite views. There were those who felt that by February the markets would be saturated, business volume would decline, and the bottom fall out of the market generally. On the other hand there were those who felt that defense spending would be such that by February everybody would be operating against even larger backlogs of orders than now.

Market Trends

Prices Advanced

Alcohol, denatured, 5c. per gal.
Pure, 15c. per gal.
Castor beans, $5 per long ton.
Digitoxin, 50c. per gram.
Menthol, 20c. per lb.
Laurel chloride, 3.9c. per lb.
Oil, codliver, USP, 10c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
258.1	257.4	261.7	254.4	256.0

(For Current Prices see Page 9)

Alcohol—Prices advanced 15c. per gallon effective November 1 on pure alcohol, as 50c. alcohol disappeared from the market. Of course, this was not an industry-wide 15c. price advance, because as has been repeatedly reported herein, there has been over recent weeks an increasing number of producers who have advanced their price schedules upward, within the range of the 50c. to 85c. per gallon figures previously quoted by OPD. This price range of 50c. to 85c. per gallon carried during October represented the spread in price quotations between different producers, but the great bulk of alcohol moved at price levels between 65c. and 85c. per gallon. The schedules of most producers in recent weeks have fallen within the range of 65c. to 85c. per gallon for pure alcohol, to which the market narrowed as of November 1. Some denatured alcohol formulas only advanced 5c. per gallon.

The market was characterized by critically tight supplies. Producers were allocating their output to consumers on the basis of previous purchases. So far, according to reports, DO rated orders had not cut too deeply into these allocations, but it was felt likely to do so in the near future. The government was trying to avoid taking too much of the scarce item out of regular commercial channels by buying as much as possible for their butadiene requirements under the synthetic rubber program, from foreign sources. Heavy quantities were being purchased from the French at around 48½c. per gallon. But in addition the government asked liquor manufacturers for 30 percent of their December output as alcohol for industrial purposes, an increase over the 20 percent asked for November. Alcohol from this source was said to be priced at 80c. to 90c. per gallon as contrasted with the French purchases at around 48½c. per gallon. Of course the former was high cost grain alcohol.

Aminopyrene — Price quotations were unchanged from the levels of $6 to $6.15 per pound which has prevailed in the market over a long period. Demand was reportedly on the increase, and this was a gradual tendency which developed during the present war period. Considerable reduction in the pressure of foreign competition was noted, and export business was said to have been much improved over recent weeks.

Antipyrene — Price levels of $2.35 to $2.45 per pound were still firmly held in the market. Since the outbreak of the Korean war, there has been a steadily decreasing competitive pressure from foreign source material, and the domestic demand and a stronger tone to the market. Export sales were said to be improved.

Boron Materials—Borax and boric acid remained firm at their recently established higher price levels. The Bureau of Mines reported boron minerals sold or used by producers in the United States during the years of 1944 to 1949 inclusive, as follows:

	—Short tons— Gross weight	B_2O_3 content	Value
1944	277,586	91,700	$3,579,587
1945	325,935	104,600	7,635,385
1946	430,689	129,800	9,575,886
1947	501,935	145,700	11,844,108
1948	450,932	134,700	11,147,735
1949	467,592	139,200	11,511,893

The above boron minerals included borax, anhydrous sodium tetraborate, kernite, boric acid, and calemanite.

Brewer's Yeast — Demand in recent weeks had soared, the sharply increased demand stemming primarily from a country-wide interest in the item, on a small package basis, for consumer demand through retail outlets. Back of the stimulated public interest in the item was its recommendation as a nutritional supplement by the country-wide circulation of a dietary publication. The effect was to create a heavy demand which was being met with some difficulty.

Prices were unchanged from those which have prevailed in the market over recent months. Material having a potency of 50 vitamin B units per gram, in 100 pound quantities was quoted at 46 cents per pound. On the 100 pound lot basis, 90 B unit material was quoted at 51 cents per pound, 200 B unit material at 55 cents, and 300 B unit material at 59 cents.

Butyl Alcohol—Supplies were tight and prices ranged on fermentation material from 16 to 30½c. per pound. Within this high and low range between different producers, fell the price quotations of other makers. Demand was at a high level, but butyl derivatives were hampered in production by insufficient supplies of butyl alcohol. The varied price pattern caused recent price advances in butyl sebacate and butyl phthalate, and the latter item was quoted in a range between different producers because their costs were different, depending upon where they were able to buy their butanol. Butyl acetate varied in price between different producers from 17 to 30½c. per pound for the fermentation source material.

Castor Oil—Oil prices held to former levels. Beans were scarce, but there was limited trading reported at $180 per long ton.

Arrivals of beans last week amounted to 70,376 bags equivalent to 10,556,400 pounds, compared with imports of 29,478 bags or 4,421,700 pounds the previous week, and 22,128 bags or 3,319,200 pounds during the corresponding week of 1949.

Total imports of beans since January 1 of this year amounted to 1,227,819 bags equivalent to 184,172,850 pounds, compared with 1,408,054 bags or 211,208,100 pounds during the corresponding period of last year.

Calcium Lactate—USP material was amply available and held to the firm price position which has characterized the market over an extended period. In lots of 10,000 pounds or more, the f.o.b. price in fiber drums was 37c. per pound. Smaller quantities varied upward as to quantity, with 5,000 pound lots at 38c., 2,000 pound

For Late Market Developments, See Page 4

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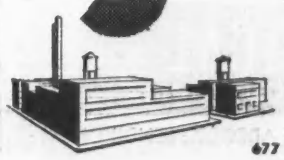

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Codliver Oil—The market was stronger, having advanced 10c. per gallon. The current quotations, after the increase, stood at $1.75 to $1.85 per gallon on USP material. It was generally felt that supplies in this country were adequate to take care of all needs. There was some shortage in primary markets, but American buyers were not at present too much concerned about it, feeling that they were pretty well covered.

The U. S. Pharmacopeia has adopted as the USP vitamin D reference standard a solution of crystalline vitamin D_3 in cottonseed oil having a potency of 400 USP units per gram. This USP unit is identical with the International unit, and the reference standard contains 10 micrograms of vitamin D_3 per gram. This new reference standard for use in standardizing official preparations containing vitamin D will be distributed after November 1. The codliver oil reference standard may be obtained upon request until May 1, 1951.

This action follows the lead of the World Health Organization of the United Nations, which in June, 1949, adopted a solution of crystalline vitamin D_3 as the International Standard for vitamin D. Prior to that time a solution of irradiated ergosterol had been distributed as the International Standard. The International unit for vitamin D is now defined in terms of the new standard as the biological activity of 0.25 micrograms of pure vitamin D_3.

Wherever desirable the use of crystalline vitamin as a standard will make it possible to express vitamin D content in terms of weight rather than in units.

Digitoxin — The competitive pressure from foreign producers in the American domestic and export markets has since the outbreak of the Korean war gradually subsided. By last week the market was showing a considerably stronger tone, and prices were said to be firmly held at around $8 per gram, instead of the $7.50 which had previously been the low side of the market.

Ergosterol—Current market prices stood at $140 per kilo on the unirradiated crystalline material. Demand was reported as well sustained, and the supply position

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was regarded as adequate to take care of immediate needs.

Glycerin—Marketwise there was nothing new to report in the glycerin market other than a tendency for crude to soften a bit as a result of holders beginning to fear a price decline that might represent a loss. Supplies were critically scarce, from which there was no relief expected to develop during the balance of the year.

Hexylresorcinol—Demand was considerably stronger than it was prior to the outbreak of the Korean war, and currently the strong tone prevailing in the market accounted for material moving promptly from production into consuming channels. Supplies were on the short side, but not critical. Prices remained in the general range of $16 to $17 per pound at which levels most volume was reported as moving. Producers were looking toward a sustained good demand for the product during the balance of the year, and particularly so if a substantial war effort is found necessary. Foreign competition had reportedly lessened.

Lauryl Chloride — This market was strong, and demand was maintained at a good level. Prices were advanced to 75 cents per pound on a freight equalized basis in 55 gallon drum quantities. The previous price schedule had been at 71.1 cents per pound. The advance in price represented by the current schedule of 75 cents, was necessitated by the increased raw material costs, together with higher manufacturing and shipping costs.

Milk Powder—CCC announced the November export prices on skimmed milk powder. For export to Western Hemisphere countries, except Canada, colonial possessions of foreign countries and territories and possessions of the United States, prices were established at 9½ cents per pound for spray process material and 7½ cents per pound for roller process material. These prices are for carlot quantities only, f.o.b. location of surplus stock in any State, less freight based on average gross shipping weight, at the lowest export freight rate from that location to the nearest port of export.

For export to all other countries, except as noted above, the export price was es-

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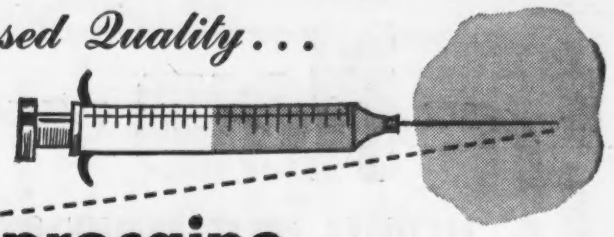

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tablished at 12½ cents per pound for spray process skimmed milk powder and 10½ cents per pound for roller process material, f.o.b. location of stock in any State. The approximate surplus quantities available for export sale as outlined above, or for domestic sale at prices established, was some 200,000,000 pounds of spray process material and 1,000,000 pounds of roller process skimmed milk powder. The CCC inventory as of September 30 were 407,662,825 pounds of dried milk valued at $52,246,837.

Milk Sugar—This market was steady, with prices firm and supplies quite ample. Greatest consumption was in crude milk sugar for penicillin production. In carlot bag quantities crude was quoted at 16 cents per pound, edible at 22 cents, and USP at 26 cents.

Dow Names L. A. Doan Western Sales Manager

Dow Chemical Company, Midland, Mich., has appointed Leland A. Doan western sales manager. Mr. Doan succeeds J. F. Smith, who has asked to be relieved of his duties after twenty-two years as sales manager. Mr. Smith will continue his affiliation with Dow, performing special administrative assignments for the general manager.

Mr. Doan joined the company in 1941, and after a period in the San Francisco, Calif., sales office he was transferred to the styrene plant in Southern California. In 1945 he became manager of the Los Angeles office, which position he held until early this year when he was promoted to assistant sales manager and again transferred to San Francisco.

ADACIOM to Meet Wed.

The Associated Drug and Chemical Industries of Missouri will hold its next regular luncheon meeting November 8 at the Melbourne hotel, St. Louis, Mo. Guest speaker will be Alfred Schindler, president of Schindler Corporation, who in his talk "What Now?" will analyze what can be expected in the changed economy resulting from the international situation.

Szenkovits in Business 25 Years

Szenkovits Corporation, New York, and Szenkovits, Ltd., Montreal and Toronto, Canada, are this year observing their twenty-fifth anniversary in business. Gustav C. Szenkovits founded both the American and Canadian concerns in 1923, which were subsequently incorporated as Szenkovits Corporation and Szenkovits, Ltd., respectively.

Quaker Oats Co. Appoints Holmes Omaha Plant Mgr.

The Quaker Oats Company has appointed Charles M. Holmes manager of the firm's furfural plant to be built in Omaha, Neb. The concern has also transferred Alfred M. Price, assistant manager of the mechanical department of the company's St. Joseph, Mo., mill to Omaha as chief engineer. Quaker's Omaha unit is expected to get into production by the end of 1951.

Mr. Holmes, assistant manager of the Quaker Oats Memphis, Tenn., chemical plant prior to his transfer to Omaha, joined the company in 1925 at the Cedar Rapids, Mich., plant in the shipping department. He was transferred to Memphis as chemical plant superintendent in 1943, and shortly afterwards was promoted to assistant manager. Mr. Price joined the concern in 1946 and has spent most of his time at the St. Joseph plant.

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USP Now Distributing New Vitamin D Standard

The United States Pharmacopeia has adopted as the USP vitamin D reference standard a solution of crystalline vitamin D_3 in cottonseed oil having a potency of 400 USP units per gram. Inasmuch as the USP unit is identical with the international unit, the reference standard contains ten micrograms of vitamin D_3 per gram.

The World Health Organization of the United Nations adopted in June, 1949, a solution of crystalline vitamin D_3 as the international standard for vitamin D. Prior to that time a solution of irradiated ergosterol had been distributed as the international standard. The international unit for vitamin D is now defined in terms of the new standard as the biological activity of 0.025 microgram of pure vitamin D_3.

As of November 1, the U. S. Pharmacopeia began distribution of the new vitamin D reference standard for use in standardizing official preparations containing vitamin D. This standard will become official on May 1, 1951. The codliver oil reference standard may be obtained upon request until May 1, 1951.

For USP official assays the new standard is available in bottles of forty-eight capsuls, each capsul containing 100 units of vitamin D. Experience with the USP vitamin A reference standard has proved the capsul to be very convenient for assay purposes. The standard is also available in 30-cc. bottles for the AOAC assay of vitamin D in poultry feed supplements. Orders should be submitted to USP reference standards, 46 Park avenue, New York 16.

Armour Research Post To Christopher Barthel

Dr. Christopher E. Barthel, jr., has been named assistant director in charge of personnel at Armour Research Foundation of Illinois Institute of Technology, Chicago. He has been chairman of physics research at the foundation since 1948. Dr. E. H. Schultz becomes acting chairman of the physics department and continues as chairman of electrical engineering research, a post he has held since 1947.

Philadelphia Chemical Club To Hold Outing Wednesday

The Chemical Club of Philadelphia will hold its final golf outing of the season November 8 at the Cedar Brook Country Club in that city. After golf, cocktails and dinner will be served in the country club.

Breon Promotes Hunt

George A. Breon & Co., New York, has promoted Lawrence T. Hunt from technical service representative to district manager in charge of the Michigan, Ohio and Indiana territories. He will make his headquarters in Columbus, Ohio. Mr. Hunt joined Breon in 1943, and was formerly located in Wheeling, W. Va.

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ALOES—56 cts, J Hall, Cape Town
AMMONIUM CHLORIDE—564 bgs, Bluefries, Inc, Rotterdam
ANILIN COLORS—51 dms, Geigy & Co, Rotterdam
42 dms, Rotterdam
16 dms, Hensel, Bruckman, Rotterdam
18 dms, Sandoz Chemical Works, Genoa
ANISEED—200 bls, C T Wilson, Hong Kong
OIL—10 dms, Hyeton Corp, Hong Kong
ANTIMONY ORE—1,635 bgs, South American Minerals & Merchandise Corp, Antofagasta
REGULUS—75 cks, Mercantile Metal & Ore Corp, Antwerp
ARABIC GUM—1,000 bgs, Innis, Speiden, Port Sudan
250 bgs, Dodwell & Co, Port Sudan
500 bgs, T M Duche & Sons, Port Sudan
250 bgs, Henry Heide, Port Sudan
250 bgs, W M Allison & Co, Port Sudan
250 bgs, Paul A Dunkel, Port Sudan
ASBESTOS—159 bgs, J Holt, Durban
FIBER—2,100 bgs, Johns Manville, Lourenco Marques
120 bgs, Johns Manville, Durban
8,500 bgs, Union Asbestos & Rubber Co, Lourenco Marques
BALSAM—10 dms, Wessel Duval, Manaus
BARBASCO ROOT—2,415 bls, R E Valensi, Iquitos
BEESWAX—27 bgs, Geck Trading Co, Ciudad Trujillo
70 bgs, Will & Baumer Candle Co, Port Au Prince
13 bgs, Will & Baumer Candle Co, Aux Caves
28 bgs, Geck Trading Corp, Ciudad Trujillo
44 bgs, E A Bromund, Tamatave
60 bgs, J W Hanson Co, Tangier
40 bgs, Tangier
321 blocks, T F Grant, Djibouti
179 blocks, Strohmeyer & Arpe, Djibouti
171 pks, J P Eberhardt, Rotterdam
200 bgs, J P Eberhart, Rotterdam
BERGAMOT OIL—1 cs, Centflor Manufacturing Co, Rotterdam
BONES—536 bgs, Tupman Thurlow, Buenos Aires
MEAL—2,204 bgs, Transatlantic Animal By-Products Co, Alexandria
500 bgs, Consolidated Chemical Indust, Buenos Aires
CANARYSEED—273 bgs, Barclay Mercantile Co, Istanbul
CARAWAYSEED—60 bgs, Meer Corp, Casablanca
50 bgs, Transoceanic Trading Co, Rotterdam
200 bgs, Biddle Purchase Co, Rotterdam
150 bgs, I Grob, Rotterdam
100 bgs, J R Frank, Rotterdam
100 bgs, Catz American Co, Rotterdam
CARBONATE MAGNESIA—200 bgs, Reheis & Co, Liverpool
MAGNESIUM—50 cs, Genoa
CARNAUBA WAX—56 bgs, Cornelius Products, Rio de Janeiro
56 bgs, Innis Speiden, Rio de Janeiro
112 bgs, J W Hanson, Rio de Janeiro
250 bgs, Parnaiba
CASSIA—119 bls, Knickerbocker Mills Co, Hong Kong
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694 bgs, Spencer Kellogg & Sons, Jacmel
794 bgs, Spencer Kellogg & Sons, Port de Paix
1,694 bgs, Baker Castor Oil Co, Salvador
6,290 bgs, Baker Castor Oil Co, Fortaleza
9,460 bgs, Baker Castor Oil Co, Camocim
OIL—250 dms, Woodward & Dickerson, Salvador
208 dms, East Asiatic Co, Buenos Aires
CAUSTIC SODA—278 cyls, Bank of Manhattan Co, Trieste
5 dms, Liverpool
7,271 lbs, Liverpool
CELERYSEED—175 bgs, Toledano & Pinto, Bombay
175 bgs, Otto Gerdau, Bombay
175 bgs, Charles T Wilson, Bombay
88 bgs, M J Golombeck, Bombay
CHEMICALS—63 kgs, Gallard Schlesinger Chemical Co, Gothenburg
400 dms, Bergstrom Trading Co, Gothenburg
80 cs, Bergstrom Trading Co, Gothenburg
1 cs, S B Penick, Southampton
AROMATIC—2 cs, Roure-Dupont, Havre
1 ck, Roure-Dupont, Havre
CHROME ORE—1,708 tons, Anglo Rand Mining & Finance Co, Lourenco Marques
5,621,790 lbs, Phillip Bros, Lourenco Marques
5,615,875 lbs, E J Lavino, Lourenco Marques
CHROMIUM OXIDE—80 dms, Bluefries N Y, Inc, Amsterdam
CINNAMON QUILLS—25 bls, Catz American Co, Colombo
100 bls, Louis Furth, Colombo
CIVET—2 cs, Livierato Bros, Djibouti
1 cs, R J Lepow, Djibouti
CLAY—400 bgs, L A Salomon, Hamburg
CLOVE OIL—70 dms, Maywood Chemical Works, Tamatave
70 dms, L Curto & Funk, Tamatave
11 dms, Maywood Chem Works, Durban
24 dms, Lo Curto & Funk, Durban
COALTAR DYE—5 cans, Thomas Hodges, Bremen
5 dms, C A Haynes, Rotterdam
120 cks, Atlantic Chemical Co, Rotterdam
COCOA EXPELLER—714 bgs, General Cocoa Co, Salvador
COCONUT OIL—1,252 tons, Philippine Refining Corp, Manila
CODLIVER OIL—122 dms, Eelsingh & Lugtigheid, Bergen
COLOMBO ROOT—230 bgs, R J Prentiss, Mombasa
105 bgs, Mombasa
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COPAL GUM—162 bgs, U S Industrial Chemicals, Manila
293 bgs, U S Industrial Chemicals, Inc, Manila
96 bgs, O G Innes Corp, Manila
976 bgs, J A McNulty, Matadi
CORIANDER SEED—127 bgs, Irving Trust Co, Casablanca
1,328 bgs, Louis Furth, Buenos Aires
COTTON LINTERS—892 bls, New England Waste Co, Santos
60 bls, Lush Cotton Products, Santos
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60 bls, 1st National of Boston, Fortaleza
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100 dms, Liverpool
CUMINSEED—188 bgs, Berry Shipping Corp, Rotterdam
94 bgs, Forty Commodity Corp, Rotterdam
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DEXTRIN—200 bgs, Sembodja Corp, Rotterdam
400 bgs, Paisley Products, Rotterdam
DIANISIDINBASE—7 dms, Rotterdam
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168 cs, H Gross & Co, Vancouver
5 cs, D L Moss, Vancouver
221 cs, Balfour Guthrie, Hong Kong
ELEMI GUM—56 cs, Gillespie-Rogers-Pyatt, Manila
ESSENTIAL OILS — 3 cs, Tombarel Products, Cannes
1 ck, Tombarel Products, Cannes
3 cs, Camilli Albert & Lalque, Cannes
5 cks, P Robertet, Cannes
2 cs, P Robertet, Cannes
20 cs, Lo Curto & Funk, Cannes
7 cs, Florasynth Labs, Cannes
6 cks, Lo Curto & Funk, Cannes
1 cs, Roure Dupont, Havre
2 dms, Dodge & Olcott, Durban
8 dms, Dodge & Olcott, Manaus
12 cs, The Mearl Corp, Casablanca
EUCALYPTUS OIL—6 dms, Lo Curto & Funk, Santos
FENNUGREEK SEED — 1,388 bgs, Transatlantic Commodities Corp, Casablanca
FERRO CHROME—108 cks, D C Andrews, Gothenburg
MANGANESE—500 dms, Metallurg Inc, Marseilles
VANADIUM—33 dms, David Taylor Co, Rotterdam
GALANGAL ROOT—168 bls, S B Penick & Co, Hong Kong
168 bls, W E Martin Co, Hong Kong
GELATIN—100 bgs, Alltransport Inc, Hamburg
170 cks, Fish Schurmann, Rotterdam
224 bgs, Transatlantic Animal By-Products Corp, Durban
GERANIUM OIL—3 cs, Van Ameringen-Haebler, Durban
2 dms, Dodge & Olcott, Durban
1 dm, Norda Essential Oil & Chemical Co, Mombasa
GLUESTOCK—300 bls, Transatlantic Animal By-Products Corp, Hong Kong
101 bls, Darmstadt, Scott & Courtney, Buenos Aires
119 bgs, John Gorvers, Barranquilla
90 bgs, H Remis, Barranquilla
216 bgs, Karr Ellis, Liverpool
GLYCERIN—313 dms, Bunge Corp, Buenos Aires
792 cs, Pacific Vegetable Oil Co, Vera Cruz
215 dms, National City Bank, Marseilles
60 dms, Antwerp
87 dms, C J Schellings, Montevideo
SUBSTITUTE—15 dms, Firestone Tire & Rubber Co, Port Elizabeth
GRAPHITE—500 bgs, Joseph Dixon Crucible Co, Colombo
300 bgs, National City Bank, Tamatave
550 bgs, Charles Pettinos, Tamatave
984 bgs, Asbury Graphite Mills, Tamatave
400 bgs, Charles Pettinos, Durban
GUAYACWOOD OIL—7 cs, George Uhe Co, Buenos Aires
183 cs, Lo Curto & Funk Co, Buenos Aires
GYPSUM—100 bgs, C B Chrystal, Liverpool
HOOF & HORNMEAL—1,049 bgs, Tupman, Thurlow, Buenos Aires
2,231 bgs, Elbert & Co, Buenos Aires
1,532 bgs, Wilson & Co, Santos
IPECAC ROOT—19 bgs, S B Penick, Cristobal
IRON OXIDE—150 bgs, Rimac Co, Malaga
450 bgs, T H Deutz, Rotterdam
RED—6 cks, J A McNulty, Liverpool
LEMONGRASS OIL—10 dms, East Asiatic Co, Cochin
10 dms, Magnus, Mabee & Reynard, Cochin
6 dms, Lo Curto & Funk, Cochin
6 dms, Maywood Chemical Works, Cochin
6 dms, Felton Chemical Co, Cochin
7 dms, Volkart Bros, Santos
5 dms, Lo Curto & Funk, Port au Prince
LIME OIL—1 dm, Dodge & Olcott, Port au Prince
2 dms, W J Bush, Port au Prince
1 dm, Lo Curto & Funk, Port au Prince
LITHOPONE—360 cks, Bluefries Inc, Antwerp
LIVERMEAL—727 bgs, Chase National Bank, Buenos Aires
LOCUST BEAN GUM—256 bgs, Stein Hall, Lisbon
100 bgs, Public National Bank, Liverpool
LOGWOOD EXTRACT—255 cks, American Dyewood Co, Kingston
MAGNESIUM SILICO FLUORIDE — 84 cks, H Sundheimer, Rotterdam
MARJORAM LEAVES—58 bls, P H Petry, Marseilles
MEDICINAL DRUGS—62 bgs, S B Penick, Rotterdam
HERBS—84 bgs, Irving Trust Co, Hamburg
82 bgs, American Export Technical, Inc, Oran
LEAVES—254 bgs, S B Penick & Co, Beirut
66 bgs, Malaga
MENTHOL—14 cs, Fleischman Burd, Hong Kong
5 cs, American Far East Syndicate, Hong Kong
11 cs, Biddle Sawyer, Hong Kong
9 cs, Charles L. Huisking, Hong Kong
117 cs, Lo Curto & Funk, Hong Kong
23 cs, Internatio Rotterdam, Hong Kong
26 cs, Sembodja Corp, Hong Kong
MICA—29 cs, Asheville Schoonmaker Mica Co, Buenos Aires
56 cs, Overseas Credit Co, Santos
294 cs, F D Pitts, Durban
28 cs, Otto Gerdau, Durban
33 cs, Asheville Mica, Durban
62 cs, Gillespie Rogers Pyatt, Durban
MONTAN WAX—600 bgs, H C Redemann, Hamburg
MYROBALANS—762 bgs, Barkey Import Co, Bombay
NAPHTHALENE—1,250 bgs, Fallek Products, Rotterdam
500 bgs, Elbert & Co, Rotterdam
NICKEL FORMATE—20 cks, H A Gogarty, Rotterdam
NITROBENZOL—500 dms, Cincinnati Chemical Works, Rotterdam
NUTMEGS—63 bgs, Una Shipping Co, Rotterdam
28 cs, Mincing Trading Co, Singapore
OCHRE—560 bgs, Guaranty Trust Co, Mossel Bay
OLIVE OIL—100 dms, Irving Trust Co, Tarragona
50 dms, Hellenic Bank & Trust, Tarragona
103 dms, Public National Bank, Tarragona
263 dms, National City Bank, Tarragona
200 dms, Central Hanover Bank, Tarragona
368 dms, Manufacturers Trust Co, Tarragona
225 dms, Chase National Bank, Tarragona
249 dms, Grace National Bank, Seville
122 dms, American Trust Co, Seville
369 dms, National City Bank, Seville
643 dms, Central Hanover Bank, Seville
102 dms, Hellenic Bank & Trust Co, Seville
211 dms, Manufacturers Trust Co, Seville
1,003 dms, Commodity Service Corp, Barcelona
1,000 dms, Seville
450 dms, Chemical Bank & Trust Co, Seville
ORTHOTOLUIDINE—52 dms, Southern Dyestuffs Corp, Rotterdam
OURICURY WAX—56 bgs, Cornelius Products, Salvador
56 bgs, Strahl & Pitsch, Salvador
63 bgs, Innis Speiden, Salvador
OX GALL—8 tcs, International Packers Commercial, Montevideo
8 bbls, Van Gelder Fanto Corp, Copenhagen
PALM OIL—1,172 tons, Balfour Guthrie, Matadi
PAPAIN—10 cs, Charles L. Huisking, Mombasa
27 cs, S B Penick & Co, Mombasa
10 cs, W E Martin, Mombasa
17 cs, Wessel Duval, Mombasa
20 cs, Rafia Del Castilla, Colombo
PARACHLOROMETACRESOL—9 kegs, Monsanto Chemical Co, Liverpool
PARAGUAYAN OIL—52 dms, East Asiatic Co, Buenos Aires

PATCHOULI OIL—5 cs, Uno Shipping Co, Rotterdam
PEATMOSS—875 bls, Premier Peatmoss Co, Bremen
1,100 bls, Premier Peatmoss Corp, Bremen
500 bls, J E Bernard, Bremen
1,200 bls, New Amsterdam Import Co, Bremen
PEPPER, BLACK—320 bgs, Arthur G Dunn, Cochin
160 bgs, Berwick Co, Cochin
80 bgs, Otto Gerdau, Cochin
160 bgs, Hanson & Orth, Cochin
160 bgs, East India Trading, Cochin
160 bgs, M Golodetz, Cochin
240 bgs, Mincing Trading Co, Cochin
80 bgs, A C Israel, Cochin
160 bgs, Mutual Spice Co, Cochin
80 bgs, National City Bank, Cochin
80 bgs, Joenssou & Cross, Bombay
80 bgs, Arthur G Dunn, Bombay
240 bgs, Bandsidhar Gopaldas, Bombay
80 bgs, Internatio Rotterdam, Cochin
80 bgs, Lo Curto & Funk, Cochin
160 bgs, Polk Trading Co, Cocnin
16 bgs, Bansidhar Gopaldas, Cochin
80 bgs, W L Winterthur, Cochin
37 bgs, Uno Shipping Co, Rotterdam
PETITGRAIN OIL—106 dms, P R Dreyer, Buenos Aires
16 dms, Centflor Manufacturing Co, Montevideo
5 dms, Lo Curto & Funk, Montevideo
32 dms, East Asiatic Co, Montevideo
PIMENTO—160 bgs, M J Golombeck, Kingston
100 bgs, Arthur G Dunn, Kingston
100 bgs, John Holt, Kingston
64 bls, Uno Shipping Co, Rotterdam
LEAF OIL—1 dm, S B Penick, Kingston
POLLOCKLIVER OIL—38 dms, Bank of California, Yokohama
POPPYSEED—200 bgs, C M Van Sillevoldt, Rotterdam
200 bgs, Joel Bieler Corp, Rotterdam
100 bgs, Levy & Lewis, Rotterdam
POTASSIUM CARBONATE—63 bbls, Colonial Trust Co, Hamburg
CALCIUM—86 bbls, Lo Curto & Funk, Bremen
CHLORATE—200 dms, C Hardy, Havre
METABISULFITE—40 dms, Interstate Chemical Corp, Rotterdam
PERCHLORATE—272 dms, Charles Hardy, Havre
PERMANGANATE—250 dms, Bluefries, Inc, Rotterdam
SALT—55 cs, Bergstrom Trading Co, Gothenburg
PSYLLIUM SEED—319 bgs, S B Penick, Bombay
147 bgs, Parke Davis, Bombay
PYRETHRUM FLOWERS—125 bls, Gulf Oil Corp, Mombasa
125 bls, J Powell, Mombasa
100 bls, S B Penick & Co, Mombasa
250 bls, U S Industrial Chemicals, Mombasa
254 bls, U S Industrial Chemicals, Dar-Es Salaam
QUEBRACHO EXTRACT—7,200 bgs, River Plate Import & Export Co, Buenos Aires
2,376 bgs, River Plate Import & Export Co, Buenos Aires
QUICKSILVER—300 flasks, Metal & Ore Corp, Rotterdam
1,875 flasks, Rotterdam
RAPESEED—400 bgs, Catz American Co, Rotterdam
125 bgs, Hinton & Co, Rotterdam
RHUBARB ROOT—32 bgs, S B Penick, Bombay
ROSEMARY OIL—11 dms, Antoine Chiris, Barcelona
ROSEWOOD OIL—9 dms, National City Bank, Manaus
51 dms, Orbis Products, Manaus
18 dms, Lo Curto & Funk, Manaus
18 dms, Van Amerigen-Haebler, Manaus
9 dms, U S Rubber Co, Manaus
8 dms, Dodge & Olcott, Manaus
11 dms, Latin American Products, Manaus
SACCHARINE POWDER—200 kegs, Eurasia Corp, Hamburg
SAGE LEAVES—115 bgs, M J Golombeck, Beirut
SANDARAC GUM—12 bgs, Chase National Bank, Marseille
SAPONIN—1 dm, Lederle Labs, Rotterdam
SENNA LEAVES—50 bls, Peek & Velsor, Inc, Tuticorin
SESAME SEED—100 bgs, Independent Halvah Co, Vancouver
SHARKLIVER OIL—1 dm, Collet Week Nibecker, Oslo
SIENNA EARTH—250 bgs, J Lee Smith, Genoa
SODA ASH—2,000 bgs, Owens Illinois Glass Co, Antwerp
200 bgs, Salvoa Inc, Hamburg
3,000 bgs, Enco Chemical Corp, Rotterdam
2,500 bgs, Sheldon & Co, Rotterdam
884 bgs, Goldwynne Chemical Corp, Hamburg
7,373 bgs, Owens Illinois Glass Co, Antwerp
6,000 bgs, Libbey Owens Ford Glass Co, Antwerp
5,000 bgs, International Co, Antwerp
956 bgs, Manufactures Chemical Co, Gothenburg
SODIUM ACETATE—45 bbls, Imperial Chemical Industries, Liverpool
BICARBONATE—693 bgs, Chemical Manufacturing Co, Liverpool
BICHROMATE—78 dms, M W Hardy, Hamburg
CARBONATE MONOHYDRATE—200 bgs, Spring Chemical, Inc, Rotterdam
112 bgs, L B Russel Chem, Inc, Rotterdam
CYANIDE—515 dms, Terra Chemicals, Rotterdam
DICHROMATE—100 dms, Hudson Shipping Co, Rotterdam
NITRITE—18 cks, L & R Organic Products Co, Antwerp
150 bgs, Chase National Bank, Hamburg
SPERM OIL—400 dms, Scandinavian Oil Co, Lisbon
SULPHUR—25 cks, Lo Curto & Funk, Liverpool
PRECIPITATED—28 cks, Liverpool
TAPIOCA—144 bls, Madagascar Agencies, Tamatave
FLOUR—214 bgs, Madagascar Agencies, Durban
12,033 bgs, Geismar & Co, Santos
THEOBROMINE—10 cks, Lo Curto & Funk, Havre
TITANIUM DIOXIDE—400 bgs, Manufacturers Chemical Co, Oslo
TONKA BEANS—10 cs, Wessel Duval, Manaus
TRAGACANTH GUM—258 bgs, Tragacanth Import Co, Rotterdam
TRICHLOROETHYLENE—101 dms, International Selling Corp, Marseilles
35 dms, Uddeholm Co, Gothenburg
TRIMETHYLXANTHIN—5 cks, Antwerp
TUNG OIL—130 tons, Werner G Smith, Hong Kong
ULTRAMARINE BLUE—20 bbls, T H Deutz, Antwerp
16 cks, Liverpool
UREA—700 bgs, Chemical Manufacturing Co, Liverpool
490 bgs, Terra Chemicals, Rotterdam
200 bgs, D & S Chemical Corp, Rotterdam
VANILLA BEANS—233 cs, Philadelphia National Bank, Antalaha
45 cs, Chase National Bank, Antalaha
45 cs, Guaranty Trust Co, Antalaha
83 cs, Antalaha
23 cs, Dodge & Olcott, Antalaha
45 cs, Tradesmen's National Bank, Antalaha
82 cs, Societe Generale, Sambava
42 cs, Philadelphia National Bank, Sambava
8 cs, Lo Curto & Funk, Durban
45 cs, Chase National Bank, Sambava
11 cs, Hunzkers, Inc, Rotterdam
21 cs, L A Champon, Rotterdam
121 cs, George Uhe & Co, Marseilles
54 cs, Chase National Bank, Marseilles
238 cs, Gillespie & Co, Tamatave
115 cs, Continental Commodities, Tamatave
VEGETABLE RESIN—126 cs, L A Dreyfus, Iquitos
VETIVER OIL—2 dms, Roure-Dupont, Durban
1 ck, Dodge & Olcott, Durban
2 cks, Givaudan Delawanna, Durban
WATTLE EXTRACT—1,059 bgs, Barkey Import Co, Mombasa
WHALELIVER OIL—30 dms, Oslo
1 dm, Nopco Chemical Co, Yokohama
WHITING—400 bgs, Antwerp
1,099 bgs, Pleuss & Stauffer, Antwerp
300 bgs, H J Baker, Liverpool
WOLFRAMITE ORE—90 bgs, National City Bank, Lisbon

Baltimore

BABASSU OIL—240 tons, Lever Bros, Maranhao
BONE MEAL—1,573 bgs, E J Lang, Antwerp
CELERYSEED—175 bgs, W G Scarlett, Bombay
CHROME ORE—3,392,230 lbs, E J Lavino, Lourenco Marques
822 tons, E J Lavino, Masinloc
FERRO CHROME—108 tons, John S Connor, Gefle
MANGANESE—1,021 tons, American Union Transport Co, Antwerp
FISHMEAL—864 bgs, Woodward & Dickerson, Casablanca
LEATHERMEAL—1,500 bgs, H J Baker & Bros, Rotterdam
MANGANESE ORE—4,500 tons, E J Lavino, Takoradi
593 tons, Ore Trading Co, Durban
998 tons, Assoc Metals & Minerals, Bombay
OLIVE OIL—500 dms, First National Bank, Seville
PEATMOSS—1,150 bls, Premier Peatmoss Corp, Bremen
POTASSIUM MURIATE—277 tons, Synthetic Nitrogen Products, Bremen
SULPHATE—900 bgs, Synthetic Nitrogen Corp, Bremen
QUEBRACHO EXTRACT—1,060 bgs, First National Bank of Chicago, Buenos Aires
6,875 bgs, International Products Co, Buenos Aires
6,624 bgs, River Plate Import & Export Co, Buenos Aires
RAPESEED—300 bgs, W G Scarlett, Rotterdam
SELENIUM—20 bbls, American Smelting & Refining Co, Gothenburg
TALC—2,000 bgs, Whittaker, Clark & Daniels, Marseilles
1,000 bgs, L A Salomon & Bros, Marseilles
WATTLE EXTRACT—3,173 bgs, Barkey Import Co, Mombasa
WHITING—400 bgs, Pleuss Stauffer, Antwerp

Boston

BONE—702 bgs, Casablanca
GLUE—500 bgs, Hamburg
STOCK—33 bls, H Meyer, Rotterdam
OLIVE OIL—261 dms, First National Bank of Boston, Seville
50 dms, Chemical Bank & Trust Co, Seville
QUEBRACHO EXTRACT—1,042 bgs, Olson Sales Agency, Buenos Aires
1,750 bgs, International Products Co, Buenos Aires
1,014 bgs, American Dyewood Co, Buenos Aires
TAPIOCA FLOUR—426 bgs, Geismar & Co, Santos
5,220 bgs, Geismar & Co, Santos
UREA—1,125 bgs, National Shawmut Bank, Antwerp

Charleston

WATTLE EXTRACT—1,046 bgs, Barkey Import Co, Mombasa

Mobile

CHROMIC ACID—75 dms, N D Cunningham, Rotterdam
PEATMOSS—1,000 bls, Trans-Sphere Trading Co, Bremen

New Orleans

BONE MEAL—1,103 bgs, Wessel Duval, Hamburg
PEATMOSS—950 bls, Premier Peatmoss Corp, Bremen
RAPESEED—46 bgs, Reuter Seed Co, Rotterdam

Norfolk

ARGOLS—1,219 bgs, Phillip Bros, Algiers
BONE—1,10 bgs, Brazilian Minerals & Timbers Co, Buenos Aires
MEAL—1,103 bgs, Transatlantic Animal By-Products Corp, Rotterdam
COCOA EXPELLER CAKE—2,157 bgs, Monsanto Chemical Co, Salvador
COTTONSEED CAKES—600 tons, Anderson Clayton, Buenos Aires
HULL FIBER—280 bls, Hercules Powder Co, Santos
PEATMOSS—400 bls, Premier Peatmoss Corp, Bremen
POTASSIUM MURIATE—2,373 tons, Synthetic Nitrogen Products, Bremen
SULPHATE—360 bgs, Synthetic Nitrogen Products, Bremen
314 tons, Synthetic Nitrogen Products, Bremen
QUEBRACHO EXTRACT—3,000 bgs, International Products Co, Buenos Aires
3,744 bgs, River Plate Import & Export Co, Buenos Aires
RAPESEED—100 bgs, Berkley Feed Corp, Rotterdam

Philadelphia

ANTIMONY, REGULUS—72 cks, Charles Gitlan & Co, Antwerp
75 cks, Industrial Sales, Antwerp
ASBESTOS FIBER—130 bgs, Pellew Wilson & Son, Durban
4,400 bgs, Keasby & Mattison, Beira
BERYLLIUM ORE—269 bgs, American Transport Co, Port Elizabeth
BLUE, WASHING—320 cs, C M Simon Co, Manchester
BONE GRIST—16,617 bgs, Elbert & Co, Rosario
CAUSTIC SODA—595 dms, Chemical Manufacturing Co, Liverpool
CHEMICALS—51 cks, T G Cooper Co, Hamburg
CHINA CLAY—4,825,072 lbs, English China Clay Sales, Fowey
3,908,224 lbs, Moore & Munger, Inc, Fowey
4,568,256 lbs, Paper Makers Import Co, Fowey
1,054,704 lbs, John W Higman Co, Fowey
CHROME ORE—1,700,960 lbs, Lourenco Marques
CODLIVER MEAL—1,000 bgs, Samuel Shapiro, Stavanger
500 bgs, Allen Forwarding Co, Stavanger
OIL — 200 dms, Reilly Whiteman-Walton Co, Stavanger
CRESYLIC ACID—50 dms, Concord Chemical Co, Liverpool
104 dms, Glasgow
DENTAL FELDSPAR—10 bgs, Universal Dental Co, Stavanger
LEAD—57,172 bars, American Smelting & Refining Co, Tampico
LEPIDOLITE—1,192,740 lbs, Foote Mineral Co, Walvis Bay
MANGANESE ORE—448 bgs, F B Vandegrift Co, London
9,072 tons, L J Buck Co, Durban
MUSTARD—985 etns, Carson M Simon Co, London
NAPHTHALENE—335 bgs, Tar Residuals, Liverpool
PEATMOSS—460 bls, Carl Gastmeyer, Rotterdam
850 bls, Halfmoon Trading, Rotterdam
PERSULPHITE OF IRON—20 bbls, Glasgow
PETROLEUM CRUDE—260,451 bbls, Atlantic Refinery, Puerto La Cruz
643,277 bbls, Sinclair Refining, Tuxpam
121,782 bbls, Sinclair Refining, Amuay Bay
203,200 bbls, California Oil Co, Ras Tanura
125,531 bbls, Texas Oil Co, Ras Tanura
115,660 bbls, Texas Oil Co, Las Piedras
120,111 bbls, Socony Vacuum, Corenas
239,525 bbls, Gulf Oil Corp, Puerto La Cruz
197,536 bbls, Gulf Oil Corp, Mena Al Ahmadi
110,497 bbls, Gulf Oil Corp, Las Piedras
187,798 bbls, H G Schad, Mena Al Ahmadi
QUEBRACHO EXTRACT—548 bgs, Bank of London & South America, Buenos Aires
WATTLE BARK—1,054 bgs, Bank of New York & 5th Ave, Mossel Bay
553 bls, American Dyewood Co, Durban
WHITING—1,400 bgs, N Weitzner, Antwerp

Quincy

COCONUT OIL—428 tons, Procter Gamble, Manila

—Continued on page 70

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Botanical Drugs, Spices, Gums

Shortages and advanced replacement costs resulted in price increases for twenty spices and drugs during the past week. On the other hand, lack of buying interest in other items brought about declines in approximately an equal number of materials. Among the items of particular strength were balsam tolu, catnip leaves, Cape aloe gum, cumin seed of Syrian and Iranian origin and turmeric from Alleppey and Jamaica. Such drugs as papain, rhubarb root and galangal root, while continuing to be limited in supply, were offered at more reasonable prices on the spot market by individual dealers. A great many of the spices were shaded in an attempt to arouse the interest of consumers. Thus, allspice, pimento, celery seed, cardamom seed and cassia were offered at more favorable prices. The pepper market continued to be weak and unsteady and handlers reported prices to be constantly changing. The various price changes resulted in an index of 218.5 for the week. This was a rise of 2.6 points over the previous week.

Observers reported the spice market to be in a dull and sluggish state and it was hoped that the easing of prices might stimulate buying. Many consumers, who last month were taking these materials in large quantity, were now inclined to wait until their needs arose before making further purchases. They seemed to be willing to risk price advances before that time. Trading of drug items was somewhat better, but, nevertheless, seemed to be below the optimum.

Balsams

Tolu—Scarcity of material has resulted in a 10c. per pound advance in this balsam. It was quoted on the spot market at $3.85 to $4.30 per pound. In accounting for the tightness of this article, observers were inclined to blame poor growing conditions at the origin. Offers to consumers were very limited and the market was expected to remain strong.

Barks

Cramp—An advance of 5c. per pound was made in the price of this bark. It was quoted on the spot market at $1.10 to $1.20 per pound.

Sassafras—Select quality bark was higher by 5c. per pound at 55c. to 60c. a pound last week. Ordinary material remained unchanged at 35c. to 40c. per pound.

Berries

Juniper—In spite of the fact that detentions have greatly limited the availability of these berries, some handlers were able to offer them at slightly lower prices. Quotations ranged from 15c. to 17c. per pound.

Saw Palmetto — These berries were more expensive, having advanced 4c. per pound. Spot quotations ranged from 30c. to 35c. per pound.

Gums

Aloe—Based on the advanced cost of replacement, Cape gum was quite a bit higher at 38c. to 39c. a pound. Powdered material was proportionately higher at 48c. to 49c. a pound.

Arabic—Although there has been a lull in buying in the past week, the market continued to be firm. Prices for amber gum were quoted at 14½c. per pound or higher. However, there have been some speculative lots reported a bit lower. New crop was expected to be late this year, coming at the end of December, but carryover stocks were said by dealers to be sufficient to meet requirements until that time. During the last week, there were importations of this gum totaling 2,500 bags.

Imports Detained by FDA

Week Ended October 27

New York

Baldo leaves, 40 bales: filthy.
Caraway seeds, 39 bales: filthy.
Cardamom, 30 bags: filthy.
Cassia, 2,349 bales: filthy.
Cod oil, 225 drums: decomposed.
Colombo root, 230 bags: filthy.
Coriander seed, 1,645 bags: filthy.
Galangal root, 536 bags: filthy.
Nutmegs, 34 bags: moldy.
Black pepper, 1,900 bags: light berries.
Turmeric, 139 bags: filthy.

Market Trends

Prices Advanced

Agrimony, 5c. per lb.
Aloe, Cape, 16c. per lb.
Balsam tolu, 10c. per lb.
Black haw bark, 2c. per lb.
Catnip leaves, 5c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
Clover flowers, 15c. per lb.
Cramp bark, 5c. per lb.
Cumin seed, Syrian, 1c. per lb.
Iranian, 1c. per lb.
Doggrass root, 3c. per lb.
Hellebore root, domestic, green, 5c. per lb.
Passion flower herb, 5c. per lb.
Poke root, 2c. per lb.
Prince's pine, 5c. per lb.
Sassafras bark, select, 5c. per lb.
Saw palmetto berries, 4c. per lb.
Skullcap, Eastern, 10c. per lb.
Squaw vine leaves, 5c. per lb.
Turmeric, Alleppey, 1c. per lb.
Jamaica, 1c. per lb.
Witch hazel leaves, 3c. per lb.

Prices Reduced

Adonis vernalis, 5c. per lb.
Allspice, Mexican, ½c. per lb.
Buchu leaves, 2c. per lb.
Cardamom seeds, bold, bleached, fancy, 5c. per lb.
Cassia, Batavia, shortstick, 2c. per lb.
Canton, extra, broken, ½c. per lb.
Honan, broken, ½c. per lb.
Celery seed, Indian, ½c. per lb.
Coriander seed, Argentine, 2c. per lb.
Galangal root, 7c. per lb.
Ginger, African, 2c. per lb.
Jamaica, No. 3, 1c. per lb.
Juniper berries, 2c. per lb.
Marjoram, French, 4c. per lb.
Papain, 50c. per lb.
Pepper, red, Haitian, 3c. per lb.
black, spot, 10c. per lb.
December shipment, 2c. per lb.
January shipment, 7c. per lb.
Pimento, Jamaica, ½c. per lb.
Pulsatilla, 5c. per lb.
Rhubarb root, Chinese, 5c. per lb.
Stramonium leaves, 2c. per lb.
St. John's bread, 2c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
218.5	215.9	214.2	193.6	185.0

(For Current Prices see Page 9)

Herbs and Leaves

Adonis Vernalis—Prices were more favorable last week, when quotations declined by 5c. per pound to range from 25c. to 30c. a pound.

Agrimony—Based on advanced cost of replacement, this herb moved higher by 5c. per pound. It was priced at 35c. to 40c. per pound.

Buchu—Slightly lower quotations were seen on the spot market. The material was placed between 40c. and 42c. per pound.

Catnip—The short crop which was reported some weeks ago has resulted in a tightening of spot positions. Prices moved up 5c. per pound to stand at 75c. to 80c. a pound.

Prince's Pine—Being rather limited as to supply, this item was 5c. per pound higher last week at prices ranging from 50c. to 55c. per pound.

Stramonium—A slight easing of spot prices occurred last week. These leaves could be had at 20c. to 22c. a pound.

Witch Hazel—There was some firming of the prices of this article. Prices were 3c. per pound higher on the spot market and ranged from 23c. to 25c. a pound.

Miscellaneous

Papain—Despite the grave scarcity of this item, one firm quoted it somewhat lower at $4 a pound. Other quotations continued to range up to $5.25. Replacements were reported to be hard to come by, but 84 cases were received from abroad during the past week.

St. John's Bread—Edible grade moved slightly lower at 11c. to 13c. a pound. The inedible material was unchanged at 10c. to 11c. per pound.

Roots

Galangal—While supply conditions were not particularly favorable, one dealer was able to quote this root at the considerably lower price of 18c. per pound. Others placed the item as high as 25c. During the past week there were imports received totalling 336 bags, while 536 bags were detained by the Food and Drug Administration.

Hellebore—Because of the higher prices quoted in the country, domestic green root was up 5c. per pound at 85c. to 90c. per pound. The imported black and white materials were steadier and continued to be offered at previously established prices.

Licorice—A report emanating from Italy indicated that producers of this root were considering the importation of material from other sources for mixing similar to that which American processors accomplish in order to be more competitive as to price. The report also stated that the land reclamation and agrarian reforms which have been taking

For Late Market Developments, See Page 4

Devil's Shoe Strings or Paradise Grains

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place in the producing areas, particularly in southern Italy, may cause a shift from extensive to intensive farming. This, according to the report, might not allow for the continuation of profitable licorice plant growing. However, since the digging of the root takes place from November to March, when agricultural activities are at a standstill, it may still be possible to find unemployed laborers at that time.

Rhubarb — Chinese material, although not very plentiful, was offered at lower prices. Whole root dropped to 65c. to 75c. a pound and powdered to 75c. to 85c. a pound. Indian root continued to be available at unchanged prices, ranging from 30c. to 35c. for whole and from 35c. to 40c. for the powdered article.

Turmeric—There was a noticeable strengthening of this item. Alleppey material was up 1c. per pound at 35c. to 36c. a pound. Material from Jamaica was practically out of the market for lack of stocks. It was quoted at 10c. to 11c. per pound. There were 139 bags of this item detained by the Food and Drug Administration.

Seeds

Cardamom—Fancy bold bleached seeds dropped in price to $3.75 to $3.80 per pound. Some medium bleached material was offered at $3.40 per pound. Decorticated material remained generally stable with no change in prices noted.

Celeryseed—For no apparent reason, Indian material became easier last week. It was offered at 25½c. to 26c. a pound. Supplies were no more plentiful, but there seemed to be a lack of demand. French seed remained firmer at 36c. to 37c. a pound.

Cumin — With replacement costs up, this material became extremely firm during the past week. There was no Moroccan seed to be had and both Iranian and Syrian material were higher at 22½c. to 23c. a pound.

Poppy — There continued to be some price shading for this seed. Argentinian material was off ½c. per pound at 15½c. to 16c. a pound. The Dutch article was also slightly easier at 17¾c. to 18c. a pound.

Spices

Allspice—There was evidence of some shading in this market. Prices were slightly lower at 18½c. to 19c. per pound.

Cassia — All price fluctuations during the past week were in a downward direction. Batavia shortstick was quoted afloat at 15c. to 15½c. per pound. Canton extra selected broken spice was down at 12½c. to 13c. on spot and at 11½c. to 12c. afloat. Honan broken rolls were held at 14½c. to 15c. for scraped and 14c. to 14½c. for unscraped.

Ginger—Some handlers having found themselves with an excess of the Jamaica No. 3 root, have dropped the spot price to 62c. to 63c. a pound, in view of the fact that new crop was expected in the near future and prices for January to March delivery were placed at 48c. African material was similarly lower at 40c. to 41c. a pound. Reports from Cochin showed promise of a good crop this year. Nigerian material was offered at 33c. to 34c. a pound. It was expected that shipments at the beginning of next year will be easier, but there was a feeling that spot material might become firmer before that time.

Pepper—Following a slight rallying period at the beginning of the past week, this material again weakened as the week progressed. White spice remained steady at $2.75 to $2.80 per pound on spot, but quotations for November shipment were down to $2.60 to $2.65. Haitian red spice was down 3c. per pound at 47c. to 48c. a pound and material from Louisiana was 2c. per pound cheaper at 30c. to 30½c. At the end of the week, black pepper turned firm again. Prices changed almost every hour.

On Friday, quotations of black pepper stood as follows:—Spot, $1.50 per pound; November delivery, $1.48 per pound; December delivery, $1.45 per pound; December shipment, $1.36 per pound; January to March shipment, $1.32 per pound.

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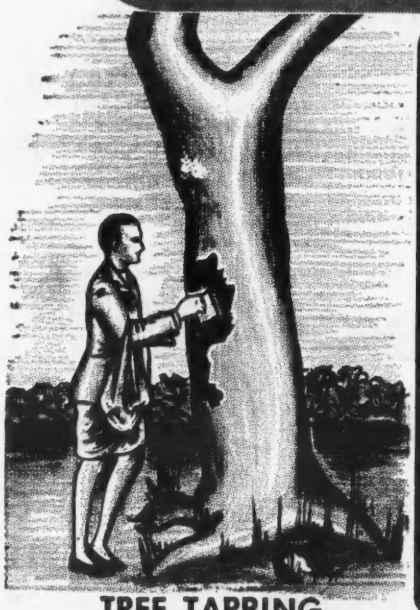

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Essential Oils, Other Aromatics

With trading continuing to be quite active, dealers found their main problem to be one of replacement. Shipments of many important items have been shorter than desired and primary prices, in many cases, moved constantly higher. Some oils, such as bay and citronella, have been going in large volume to other countries, which were apparently more willing to meet the higher source prices. Of the domestic materials, cedarwood, apricot kernel, wormseed and natural sassafras oils have advanced, producers claiming higher cost of production and poor crops. On the other hand, wintergreen oil, both Northern and Southern, was offered at more reasonable prices. French lavender flower and lavandin oils have grown quite a bit stronger and the same was true of Spanish spike lavender and rosemary oils. Bourbon geranium and Bulgarian rose oils, which had gone so high as to discourage buying, took a sudden turn in the opposite direction. Aromatic chemicals moving higher as a result of the tightness and high cost of raw materials included safrol, cinnamic aldehyde and isoeugenol. Anethol moved considerably higher, although prices for that item were largely nominal, there being virtually none to be had. Based mainly on the sharp decline of geranium oil, the price index dropped 9.8 points to 189.8.

Floral oils, particularly those originating in France, have continued to climb higher. Replacements of lavender flower and lavandin oils have been coming to market in limited quantities and shippers have raised prices for shipment. The same was apparently true of clary sage oil. Bois de rose and patchouli oils have become similarly tight. The surprising drop in the price of Bourbon geranium oil was apparently a move on the part of shippers to woo back the buying interest of users who had been forced to turn to other materials because of the excessive cost of the oil. Rose oil was in the same position.

Although there have been no further declines in the prices of anise and cassia oils, there were signs of some easing, according to observers. Other materials which were said to be easing a bit included Italian bergamot and lemon oils. As yet, the spot market of these items has not been noticeably affected.

Sassafras oil, both the natural and imported artificial, has gained new strength. Following along, the Brazilian ocotea cymbarum oil became more expensive. One result of these rises was an advance in the derived safrol. Eugenol and isoeugenol reflected the firm position of clove oil and both became higher in price.

Market Trends

Prices Advanced

Anethol, NF, 23c. per lb.
Apricot kernel oil, 1c. per lb.
Cedarwood oil, 5c. per lb.
Cinnamic aldehyde, 10c. per lb.
Eucalyptus oil, 70-80%, 2c. per lb.
80-90%, 5c. per lb.
Isoeugenol, 30c. per lb.
Lavandin oil, 20c. per lb.
Lavender flower oil, 38-40%, 65c. per lb.
40-42%, 10c. per lb.
spike, 10c. per lb.
Orange oil, California, 10c. per lb.
Patchouli oil, $1 per lb.
Pimento leaf oil, 15c. per lb.
Rosemary oil, technical, 5c. per lb.
Safrol, 5c. per lb.
Sassafras oil, artificial, 7c. per lb.
natural, 10c. per lb.
Wormseed oil, 10c. per lb.

Prices Reduced

Bergamot oil, artificial, 35c. per lb.
Citronella oil, Java-type, 10c. per lb.
Geranium oil, Bourbon, $4 per lb.
Rose oil, Bulgarian, $3 per ounce.
Wintergreen oil, Northern, $1.15 per lb.
Southern, 55c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
189.8	199.6	199.9	102.8	103.0

(For Current Prices see Page 9)

Essential Oils

Anise — This market has remained steady at the level reached several weeks ago. In some quarters the oil was sold at $1.25 per pound, while in others quotations ranged up to $1.65. There was more material available than had been the case for some months past, but the market was not yet in a completely comfortable position.

Bay—There was some variance in the quotations of West Indian material. One dealer placed the article at $1.15 per pound, but all other quotations were held at or above $1.30 and ranged up to $1.70 a pound. The oil was said to be quite scarce, shippers claiming that large quantities were going to Europe. Also, some material shipped to this market was rejected because of quality. These factors have helped to create a shortage on the spot market. Puerto Rican material was generally quoted nearer to the top of the price ranges of $1.35 to $1.55 per pound for 50-55 percent oil and $1.45 to $1.75 for 55-60 percent grade.

Bergamot—Prices remained unchanged at a range of $6.50 to $8 a pound, but there was a report of some easing of the supply situation. Artificial oil was down to $3.75 a pound again, but ranged to $5.25.

Bois de Rose—A very strong position has been assumed by this oil. While the minimum spot quotation continued at $3.80 per pound, most offers were held above $4 and the price range expanded upward to $4.25. Material was quite tight and it was said in the trade that some shippers have defaulted in filling orders.

Cassia—While most offers on the spot market were made at $4.75 a pound, there continued to be single quotations as low as $4.35 a pound. There was apparently more of the oil available than there was last month, but still not enough to make for a comfortable situation.

Cedarleaf—While there continued to be a lone offer of this material at $2.50 per pound, the oil grew firmer in most places. It was more generally offered from $2.65 to $3 a pound. Word received by the trade from the origin indicated that the difficulty of obtaining replacements was based on the labor problem. Workers were turning to more remunerative pursuits and growers could get few to collect the crops.

Cedarwood—Prices were up 5c. per pound last week. In drums, the oil was quoted at 40c. to 55c. per pound, and in cans, from 45c. to 60c. a pound. Producers have reported that very little material would be available until next April. Thus, it may be expected that prices will remain firm and may go higher before that time.

Citronella—Material from Ceylon could be had at prices beginning at $1.52 per pound. Estate quality oil was priced from $1.55 up to $1.90 a pound. Prices for the latter oil at the source have risen and, according to importers, shipments have been very sparing to this market. It was indicated that the bulk of the shipments have been going to other markets which were more willing to meet the advanced costs. Java-type oil was offered at the lower price of $1.90 per pound by one dealer, while other material of that type ranged up to $2.55. One handler reported some oil afloat at $1.75. True Java oil was apparently very scarce on the spot market and the few offers were held at firm prices.

Coriander—According to dealers, there was apparently none of this material being shipped from Russia, making for an extremely tight spot market. Some stocks were held at prices as low as $25 a pound, but the more usual price was well over $30 a pound. This was one of those Soviet materials which might be expected to continue to be tight and high in price and yet was unpredictable.

Eucalyptus—With spot stocks in a particularly tight position, both grades moved higher last week. The 70-80 percent item was up 2c. a pound to range at 80c. to 90c. a pound, and the 80-90 percent material moved up 5c. a pound to stand at 90c. to $1.10 a pound. According to dealers, supplies at the origin have been taken up by commitments and some orders have been rejected by distillers who simply had no material to offer.

Geranium—A surprising turn of events has resulted in a sudden weakening of the Bourbon oil position. The material was offered at $27 per pound in small amounts last week. This was $4 lower than the previous quotation and marked the first decline in the price of this material in a great many months. Other spot prices continued to range to $35 a pound. According to observers, crop prices have been lowered because of the decline of trading brought on by the excessive prices. Shippers were trying to regain the lagging interest of buyers who had turned to artificial substitutes. Algerian oil has so far continued to hold firmly at prices of $26 to $32 a pound. However, since it was held high because of the Bourbon material, it may now follow by easing.

Ginger—The market remained very

For Late Market Developments, See Page 4

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firm at prices ranging from $22 to $24 a pound. According to dealers, there was little hope for replacements until next April. This promises a continuation of a strong market for the next half year, at least.

Guaiacwood—In most places this oil was reportedly scarce with few, if any, offers from the source. Prices were firm with the minimum offer unchanged at $1.65 per pound while the range expanded upward to $2. Small but steady quantities were sold to the usual consumers.

Juniper Berry—Many dealers have withdrawn from this market as a result of the high prices and scarcity of the material. They reported a lack of interest on the part of users. Those who did offer the material placed the NF grade at $2.75 to $3.25 per pound, and the twice-rectified article at $3.75 to $7 a pound.

Lavandin—Last week brought an advance of 20c. per pound in this article. It was quoted at $2.75 to $3.25 a pound. The market was reported to be very strong and there was little new material being offered from France.

Lavender—Spanish spike oil was higher at $1.60 to $1.70 a pound last week. The advance was probably the result of the ever-strengthening position of flower oils. These were advanced, based on increased replacement costs. The 38-40 percent grade was up to prices ranging from $5.40 to $5.75 a pound, and the 40-42 percent item was priced at $5.60 to $6.50 a pound. Replacements have been rather sparse, and, since the new crop has been gathered and distilled, the expectations were for a continuation of a strong market for some time to come.

Lemon—Messina oil has reportedly eased somewhat with the drop in the cost of replacement from new crop material. It was offered on spot at $3.50 to $8 a pound. California oil was steady, being quoted at $4 to $4.25 a pound, according to brand. Demand continued to be active and supplies remained rather limited.

Niaouli—There continued to be one offer at $1.95 per pound for this item, while all others were held considerably higher, ranging to $3 a pound. An oil of small application, there was apparently enough material to meet all requirements.

Ocotea Cymbarum — Reflecting the higher cost of sassafras oils, both natural and artificial, this material has been advanced for shipment from Brazil. This has resulted in higher spot prices. The oil was available at 70c. to 90c. a pound.

Orange — California oil moved higher again last week. The minimum offer stood at $1.35 a pound and other material from the same source continued to range to $1.75 a pound, depending upon producer. Demand for this item was said to have mounted. Florida oil remained at $1.10 to $1.50 a pound, and the imported Italian oil was similarly steady at $3.50 to $5.50.

Patchouli—There has been a leveling off at higher prices which last week ranged from $23 to $26 a pound. This was $1 above the previous minimum. Spot stocks were not very large and the material has been reported to be tight in the producing area.

Peppermint—This market was without feature during the past week. Prices have been steady for several weeks, there being offers between $6.25 and $6.85 per pound for natural oil and between $6.60 and $7.25 for the redistilled article. Trading was generally steady and prices were expected to hold.

Petitgrain—While prices have remained unchanged at $3 to $4 a pound, dealers saw possibilities of advances resulting from the high cost of replacements. According to the trade, shipping prices were almost as high as those on the spot market.

Pimento—Leaf oil firmed up again and last week was advanced to prices ranging from $1.65 to $1.85 a pound. This was 15c. a pound above the former price. Stocks were rather limited and interest in the oil was active, particularly due to the high cost of berry oil.

Rose—Having gone so high as to discourage buying, this material was now showing signs of easing. Spot prices have dropped a bit and material could be had at $32 an ounce, in some quarters. Other offers continued to range to $42 an ounce.

Rosemary—Increase in the cost of replacements has forced an advance in the price of the Spanish technical material. It was quoted 5c. per pound higher at 75c. to $1 a pound and was a bit tight on the spot market. The USP article was firm at the prices reached the previous week. They ranged between 95c. and $1.30 a pound.

Sage—Clary oil was rather tight and high in price. It was offered between $16 and $19 a pound. This material was in a position similar to other French oils. Spanish oil was steady at $1 to $2.10 a pound and supply was comfortable.

Sassafras—Artificial oil was priced at 65c. to 85c. a pound and seemed to be getting a bit tight. According to dealers, a tariff agreement which has been in effect between this country and China, one of the main sources of this article, will end in December, after which there will be a new duty placed upon the material. At that time, it was expected, there will probably be an increase of about 25 percent in the price of this oil. Natural oil was 10c. per pound higher at $2.10 to $2.20 a pound. Handlers stated that stocks were sufficient to meet all requirements.

Wintergreen—Some dealers, being in a

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good position of supply, have been able to offer this oil at somewhat lower prices. Northern material could be had at $6 to $18 a pound, while Southern oil was priced between $3.25 and $19.50 a pound. There was apparently enough material to meet all inquiries from consumers. The synthetic substitute was unchanged at 45c. to 51c. a pound, depending upon quantity.

Wormseed—The withdrawal of one low offer, left this market slightly higher last week. Prices ranged from $6.10 to $6.75 a pound, with most quotations at or above $6.50 a pound. New crop material was said to be less plentiful than desired and prices were expected to remain at a fairly steady level.

Aromatic Chemicals

Anethol—Although there was little of this material to be found on the market, the prices, which were mainly nominal, were advanced. They ranged from $1.18 to $1.40 per pound.

Cinnamic Aldehyde—Shortages in the supply of the basic materials have helped to strengthen this chemical to prices ranging from $1 to $1.26 per pound. Demand was quite active.

Eugenol—This item has exhibited a great deal of strength resulting from the difficulty of obtaining raw materials. It was priced at $2.60 per pound by one producer but expanded upward to a high of $3.42 a pound in other quarters.

Isoeugenol—Like the related eugenol, this article has grown firmer because of the short supply and high cost of clove bud oil from which both are derived. Last week saw an advance of 30c. per pound in the minimum offer which then stood at $3.80 a pound. Other producers also moved prices higher and the range was extended to $4.25 a pound.

Musk—Natural Tonquin grains have become quite a bit more expensive than previously, with prices ranging from $40 to $45 per ounce. This was not surprising in view of the fact that the material comes from Tibet which is in the midst of a turmoil brought on by the neighboring Red China. It may be expected that the situation of this article will continue to be difficult for some time. Synthetic material has remained stable. Producers placed ambrette at $5.40 to $5.65 per pound, ketone at $4.95 to $5.20, and xylol at $1.40 to $1.55 per pound, the range being according to quantity.

Safrol—The ever-strengthening prices of the basic natural oils from which this material is derived have forced an advance in the quotations of the chemical to 90c. to $1.10 per pound. This was 5c. per pound higher than previous offers.

Harold L. Simons Honored For Tariff Hearing Work

Dr. Harold L. Simons was honored by representatives of twenty-seven aromatics makers at a dinner November 2 at the University Club, New York, in recognition of his work for the industry at the tariff hearings held last Spring in Washington by the Committee for Reciprocity Information. Dr. Simons prepared the brief, which was signed by the twenty-seven firms, and later testified on their behalf in Washington. Dr. Eric C. Kunz, of Givaudan-Delawanna, Inc., New York, was chairman of the dinner gathering.

Massachusetts College of Pharmacy Names Harris to Board of Trustees

Massachusetts College of Pharmacy has appointed Harris Hart, jr., New England representative of S. B. Penick & Co., New York, to the board of trustees. Mr. Harris, a graduate of the institution, has been very active in college affairs since graduation. He has been connected with the Penick concern for several years.

Dr. Henri F. Logeher, director of the export department of Magnus, Mabee & Reynard, Inc., New York, has left for Europe to make a survey of the western European essential oil situation.

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Bids Wanted

Adhesive case liner, 600 gallons, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,338, November 13.

Aluminium sulphate, Cleveland, Ohio, Department of Public Utilities, ordnance 1856-50, November 10.

Ammonia, anhydrous, 21,000 pounds, Panama Canal GPO, Washington 25, schedule 9769, November 13.

Antiseize compound, 3,310 pounds, Philadelphia and Oakland, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,398, November 14.

Barium nitrate, 35,000 pounds, Army Ordnance Arsenal, Frankfort, Philadelphia 37, invitation 276, November 17.

Butane, 324,280 pounds, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation Z-52,280, November 10.

Cadminum, amode balls, 4,000, Army Ordnance Arsenal, Watertown, Mass., invitation 97, November 17.

Carbon tetrachloride, 1,040 gallons, Vancouver, Wash., Department of Interior, 827 N. E. Oregon street, Portland, Ore., invitation 5438, November 21; fire-extinguisher liquid, 1,800 quarts, Federal Supply Service, 100 McAllister street, San Francisco 2, invitation SF-142-051, November 10.

Chemicals, four Cl 24, United States Air Force, Wright Patterson Air Force Base, Dayton, Ohio, invitation 038-914, undecided; thirty-two same, invitation 038-962, undecided.

Chemical products (fertilizers, insecticides, and others) twenty nine items, Army Quartermaster, 111 East Sixteenth street, New York 3, invitation 629, November 9.

Cleaning compound, 340,600 pounds, United States Air Force, Wright-Patterson Air Force Base, Dayton, Ohio, invitation 038-909, undecided; 46, 250 pounds, Philadelphia and Oakland, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation J-52,250, November 17; various kinds and quantities, Federal Supply Service, 2400 Fourth Avenue, South Seattle 4, Wash.; invitation SE-3-1901, November 15; Veterans Administration, Washington 25, invitation S-121, November 13, invitation S-122, November 9.

Coaltar naphtha, 5,400 gallons, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,331, November 21.

Cortone acetate, 100 20-cc vials, Veterans Administration, 130 West Kingsbridge road, Bronx 63, N.Y.

DDT, 122,000 pounds and DDT formulations, 496,072 gallons and 247,305 pounds, Navy Purchasing Office, 111 East Sixteenth street, New York 3, invitation 7411, November 10.

Dental modeling plaster, 19,100 pounds, Veterans Administration, Washington 25, invitation D-32, November 13.

Deodorant blocks, cedar, 65,760, Veterans Administration, Washington 25, invitation S-118, November 8.

Desiccant, 8,775 drums, Army Ordnance Arsenal, Raritan, Metuchen, N. J., invitation 251, November 10; 14,315 drums, same, invitation 250, November 10; activated, 880,000 ounces, Navy Purchasing Office, 111 East Sixteenth street, New York 3, invitation 7466, November 21.

Dichlorophenoxyacetic acid, 2,000 gallons, Army Corps of Engineers, P. O. Box 4970, Jacksonville, Fla., invitation CIVENG-15, November 16.

Dipentene, 16,000 gallons, Navy Aviation Supply Office, 700 Robbins Avenue, Philadelphia, invitation B-52,430, November 27.

Disinfectant, 300 gallons, Federal Supply Service, 1114 Commerce street, Dallas, Texas, invitation FW-11094, November 13; cake, 840 dozen, United States Air Force, Stewart Air Force Base, Newburgh, N. Y., invitation 20, November 16.

Floor wax, liquid, 300 gallons, Federal Supply Service, 1134 Commerce street, Dallas, Texas, invitation FW-11074, November 13.

Fuel oil, No. 2, 400,000 gallons, for A. E. C., New York, Federal Supply Service, Seventh and D streets, Washington, invitation FO-10324-L, November 14; No. 4, 55,000 gallons for A.E.C, New Brunswick, N. J., same; invitation 9FO-10323-L, November 13.

Furfuryl alcohol, Navy Purchasing Office, Washington 25, invitation 4092-A, November 15.

Furniture polish, 1,800 quarts, Federal Supply Service, 1114 Commerce street, Dallas, Texas, invitation FW-11075, November 13.

Ink, stamp-pad, 1,128 2-ounce bottles, Federal Supply Service, 1114 Commerce street, Dallas, Texas, invitation FW-11158, November 9; 1,800 2-ounce bottles, same, invitation 11158, November 14.

Isopropyl alcohol, 32,400 gallons, Philadelphia and Oakland, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, bid J-52,108, November 13.

Litharge, pigment, dry 400 pounds, paste, 4,600 cans, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,341, November 17.

Magnesium, type III, 12,000 pounds, Army Ordnance Arsenal, Frankford, Philadelphia 37, invitation 276, November 17.

Mercuric oxide, pigment, 17,000 pounds, Norfolk and Mare Island, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,419, November 17.

Nitric acid, white fuming, 4,000,000 pounds, United States Air Force, Wright-Patterson Air Force Base, Dayton, Ohio, invitation 038-1019, undecided.

Oil emulsion, T-13, 73,600 pounds, Veterans Administration, Washington 25, invitation S-130, November 15.

Paint Remover, 1,000 gallons, Federal Supply Service, Seventh and D Streets, Washington, invitation 5L-94316-R, November 11.

Paint, Varnish, Lacquer, 300 gallons interior paint, 200 gallons enamel, United States Air Force, Eglin Air Force Base, Florida, invitation 47, November 23; paint primer, 3,500 gallons, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,336, November 13; 100 gallons, Public Buildings Service, 114 Commerce street, Dallas, Texas, invitation 73-10-31-F, November 13; lacquer, thinners, nitrate, 17,756 gallons, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,050, November 10; acetate butyrate, 4,180 gallons, same, invitation B-52,112, November 14; lacquers, various, five lots, same, invitation B-52,056, November 13 and invitation B-52,334, November 14; heat-resisting aluminum paint, 568 gallons, same, invitation B-52,340, November 10; shellac varnish, 10,224 gallons, same, invitation B-52,278, November 17; exterior oil paint, 1,000 gallons, same, invitation B-52,350, November 14; lusterless sand lacquer, 12,492 gallons, same, invitation B-52,282, November 14; thinner for synthetic enamel, 4,000 gallons, same, invitation B-52,351, November 20; reflective paint, 4,400 gallons, same, invitation B-52,337, November 20; exterior enamels, 49,900 gallons, same, invitation B-52,329, November 22; flatwall paint, 28,874 gallons and boot-topping paint, 1,016 gallons, same, invitation B-52,290, November 16; interior enamels, 19,900 gallons, same, invitation B-52,279, November 24; various paints, 3,500 gallons, same, invitation B-52,289, November 22; enamels, various, 16,488 gallons, same, invitation B-52,302, November 17; resin coating, 1,344 quarts, same, invitation B-52,302, November 17; exterior drum enamel, 9,000 gallons, same, invitation B-52,326, November 16; exterior oil paints, 14,400 gallons, same, invitation B-52,324, November 16; exterior concrete paint, 550 gallons, same, invitation B-52,324, November 16; exterior paint, 49,900 gallons, same, invitation B-52,409, November 27; primer-sealer, 3,500 gallons, same, invitation B-52,459, November 20; enamels, special, 850 gallons, same, invitation B-52,506, November 9; bituminous emulsion coating, 5,000 gallons, same, invitation B-52,507, November 9; asphalt varnish, 500 gallons, Federal Supply Service, Seventh and D streets, Washington, invitation 5L-94314-R, November 9; shellac varnish, 800 gallons, same, invitation 5L-94315-R, November 11; various paints, 900 gallons, Federal Supply Service, 114 Commerce street, Dallas, Texas, invitation FW-11139, November 10; enamels and paints, various lots, Federal Supply Service, 2400 Fourth avenue, South Seattle 4, Wash., invitation SE4-1882-1, November 13; enamel, 4,630 gallons, Federal Supply Service, 1900 Fidelity building, Kansas City, Mo., invitation KC-11668, November 10.

Paraffin, 54,800 pounds, Philadelphia and Portsmouth, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,275, November 10.

Penicillin G, 186,000 bottles, Veterans Administration, Washington 25, invitation A-27, November 10.

Pepper, black, ground, 125,000 pounds, Army Quartermaster, 111 East Sixteenth street, New York 3, invitation 648, November 28.

Petrolatum, liquid, 665 gallons, Army Quartermaster, Oakland 14, Cal., invitation 162, November 13.

Photographic chemicals, as required March 1-January 31, Federal Supply Service, Seventh and D streets, Washington, class 51, part II, November 20.

Potassium perchlorate, 14,000 pounds, Army Ordnance Arsenal, Frankford, Philadelphia 37, invitation 276, November 17.

Platinum wire, 150 feet, cathode, 1, Army Ordnance Arsenal, Watertown, Mass., invitation 98, November 17.

Protective compound, strippable, 21,000 pounds, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-51,937, November 20.

Red lead, type I, 120,000 pounds, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,339, November 14; 1,000 pounds, same; invitation B-52,289, November 22.

Rock salt, 50 tons, Department of Justice, Federal Reformatory, Chillicothe, Ohio, invitation 5-3614, November 10.

Rust preventive, thick film, 4,025 gallons, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-52,422, November 20.

Scouring powder, 50 containers, Public Buildings Service, G.S.A., 620 Fost Office, Boston, invitation BOS-51-134, November 14.

Shrinkproofing emulsion, 12,800 pounds, Veterans Administration, Washington 25, invitation S-129, November 15.

Shortenings, various, 226,900 pounds, Veterans Administration, Washington 25, invitation S-131, November 16.

Signal flares, various kinds and colors, 1,134, Navy Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation K-11,618, November 9.

Soap, paste, 40 drums, Federal Supply Service, Seventh and D streets, Washington, invitation FW-11171, November 10; laundry, powdered, 6,000 pounds, same, invitation FW-11092, November 13.

Soapstone pencils, flat, 48,960, Army Ordnance Arsenal, Raritan, Metuchen, N. J., invitation 251, November 10.

Soda ash, 5,000 pounds, National Bureau of Standards, 620 Eleventh street, N. W., Washington 25, invitation B-2-720-51, November 8; 7,000 pounds, Federal Supply Service, 1114 Commerce street, Dallas, Texas, invitation FW-11092, November 13; 157,100 pounds, Veterans Administration, Washington 25, invitation S-126, November 14.

Spices, various, Naval Air Station, Corpus Christi, Texas, invitation 216-39, November 10.

Sulphuric acid, 500 gallons, Army Ordnance Arsenal, Raritan, Metuchen, N. J., invitation 254, November 13; dilute, 750 gallons, Army Ordnance Arsenal, Bernicia, Cal., invitation 67, November 10.

Sweeping compound, 85,000 pounds, Federal Supply Service, 1114 Commerce street, Dallas, Texas, invitation FW-11093, November 13.

Table salt, iodized, 810,000 pounds, Army Quartermaster, 111 East Sixteenth street, New York 3, invitation 639, November 27.

Trisodium phosphate, 195,400 pounds, Veterans Administration, Washington 25, invitation S-128, November 14.

Imports at U.S. Ports

—*Continued from page 63*

San Francisco

ALUMINUM—1,026 ingots, Max Schlossberg Co, Kobe
CANARY SEED—228 bgs, C M Volkmann & Co, Trieste
CASTOR OIL—113 dms, Pacific Vegetable Oil Corp, Bangkok
CELERYSEED—42 bgs, Joensson & Cross, Bombay
CHEMICALS—4 cs, International Rectifier Corp, Bremen
CHILLIES—50 bgs, Wah Young Co, Kobe
50 bgs, American Commerce Co, Kobe
COTTON LINTERS—100 bls, La Union
CURRY POWDER—23 cs, Juillard Fancy Foods, Hong Kong
FISH BONE—60 cs, Seed & Feed Corp, Le Havre
MEAL—1,900 bgs, Wilbur Ellis Co, Cape Town
GYPSUM—900 tons, Kaiser Gypsum Co, San Marcos
LOCUST BEAN GUM—50 bgs, Genoa
MONOSODIUM GLUTAMATE—80 cs, Wilbur Ellis Co, Yokohama
150 dms, Wilbur Ellis Co, Yokohama
OLIVE OIL—26 dms, Barcelona
262 dms, Malaga
PEPPER, BLACK—160 bgs, Mincing Trading Co, Bombay
80 bgs, Superintendence Co, Cochin
POLLACKLIVER OIL—25 dms, Arista Oil Products, Otaru
QUEBRACHO EXTRACT—1,000 bgs, International Products Corp, Buenos Aires
SAGO RED—3 bgs, Scandia Commercial Co, Gothenburg
SESAME—25 cs, Modern Food Products, Yokohama
SHARKLIVER OIL—25 dms, Albumen Supply Co, Otaru
TAPIOCA FLOUR—75 bgs, General Export Co, Bangkok
1,000 bgs, Stein Hall & Co, Bangkok
600 bgs, Stein Hall & Co, Santos
TUNG KERNELS—1,786 bgs, Bank of California, Lourenco Marques
OIL—350 tons, Werner G Smith, Hong Kong
150 tons, L N Jackson & Co, Hong Kong
1,571 dms, Pacific Vegetable Oil, Tsingtao
519 dms, Tsingtao
430 tons, S L Jones & Co, Hong Kong

Wilmington

FLUORSPAR—1,499 tons, Ozark Mahoning Co, San Feliv De Guixols
WHITING—5 bgs, Balfour Guthrie & Co, Alberni

Schutte Gives Up Dreyer Representation in Chicago

William H. Schutte Company announced last week that as of July 1 it had ceased representing P. R. Dreyer, Inc., New York, in the Chicago area. Schutte, which had been associated with the Dreyer concern for over a quarter-century, stated that the action was taken to devote its entire efforts to its own line of chemicals, perfumers' raw materials and specialties.

Protective Coatings Materials

Paced by an advance in lead metal, the various lead pigments went up in price from ½ cent to 1½ cents last week. Leaded zinc oxide, 35 percent, was up ⅜ cent and the leaded 50 percent was higher by ½ cent. There were also increases noted in antimony oxide and acetylene black. This boosted the weekly price index figure 5.1 points, to a new mark of 211.7.

Lead metal had been in a strong position for some time and when it moved it was followed immediately by the increases in the pigments. Until last week one producer had been holding the price on antimony oxide, although others had advanced, but last week this producer went along with a 2½ cents increase. Lamp black showed a little slowing up in demand but was still in a generally good market. Titanium dioxide was holding at previously noted price levels. Demand was still high although there was tightness in the supply picture. Zirconium oxide showed no price changes, while the demand held up well and the supply was moderately strong.

Synthetic resins seemed a bit easier during the week, although they were still not easy to come by The allocation system that had been imposed by producers seemed to have straightened the situation out to a considerable degree. The market was in a more orderly state and buyers wants were being better satisfied. Urea-formaldehyde, melamine and alkyd resins were stronger in price. The market for natural resins was without appreciable change. Demand was still going along well, and the scare buying seemed to be over. Generally speaking, supply was in a satisfactory condition.

The shellac market was quiet and steady. Domestic and imported casein was without price change. Domestic seemed to be in a slightly better demand, but neither was booming. Restrictions on building as well as the onset of the flush season in the Argentine were responsible for what was probably only a temporary lull.

Market Trends

Prices Advanced

Antimony oxide, 2½c. per lb.
Black, acetylene, carload, 1½c. per lb.
less carload, 2c. per lb.
Lead, blue, basic sulphate, 1c. per lb.
Red, 95%, 97%, 98%, 1c. per lb.
White, basic carbonate, ¾c. per lb.
basic silicate, ½c. to 1c. per lb.
basic sulphate, 1c. per lb.
Litharge, 1c. per lb.
Orange, mineral, 1c. per lb.
Rosin, gum, Savannah, G, 78c. per 100 lbs.
H-M, 71c. per 100 lbs.
N, 81c. per 100 lbs.
WG, $1.05 per 100 lbs.
WW, X, 87c. per 100 lbs.
New York, B, D, E, 75c. per 100 lbs.
E-X, 80c. per 100 lbs.
Turpentine, gum, Savannah, 13c. per gal.
New York, 11c. per gal.
Zinc oxide, leaded, 35%, ¾c. per lb.
leaded, 50%, ½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
211.7	206.6	206.6	196.4	201.7

(*For Current Prices see Page 9*)

Prime Pigments

Antimony Oxide—Another producer followed the lead already taken in other parts of the trade last week and advanced its prices to 30c. in carloads and 31c. in less than carloads. This amounted to an increase of 2½c. from the previous low of the range figure. The demand continued on the tight side, although supply was not abundant.

Black, Acetylene—Announcement was made during the past week of price advances for both carload and less carload lots of this material. In bags, carload, the item climbed 1½c. to a new listing of 15c., while in cases, less carload, it advanced 2c. to a new listing of 19c.

Black, Lamp—Demand was still running along at good levels during the past week, although it had slowed up a slight bit in the past month or so. This was attributed to the settling down of conditions that were caused by the outbreak of the Korean hostilities. At that time, buying was done on a pretty frantic basis, but lately the market situation had become more relaxed. Supply was at a good point and there were no great difficulties being encountered in the filling of orders. Depending on grade, the material was being sold at .077c. to 33c. a pound, which represented an increase of about 10 percent in the past month or so.

Lead, Blue—The basic sulphate advanced 1c. per pound during the past week along with a similar advance in the price of the metal. This made the material 17¾c. in carloads and 18¾c. in less than carloads.

Lead, Red—The various grades of this material went up in price by 1c. last week, in keeping with the 1c. rise in the price of the metal. The 95 percent became 19¾c. in carloads and 20¾c. in less than carloads. The 97 percent advanced to 20c. in carloads and 21c. in less than carloads. The 98 percent rose to 20¼c. in carloads and 21¼c. in less than carloads.

Lead, White—The basic carbonate was up ¾c. last week, making the carload listing 18½c. and the less carload price 19½c. Basic silicate was up ½c. to 1c., depending on grade. The range became 16¼c. to 21¼c. in carloads and 17¼c. to 22¼c. in less than carloads. Basic sulphate moved up 1c. It became 17¾c. in carloads and 18¾c. in less than carloads. The advances in price stemmed from the rise of 1c. in the metal that was noted during the period under review.

Litharge—This material moved up 1c. in price during the past week as a result of the corresponding rise in the listing of lead metal. The revision established the material at 18¾c. in carloads and 19¾c. in less than carloads.

Orange, Mineral—The rise of 1c. in the price of lead metal last week pushed up the price of this material by a similar amount, making it .2310c. in less than carload amounts.

Titanium Dioxide—Prices on the various grades during the past week were still holding to their previously established levels. There was no appreciable change in the market picture. Demand continued to be noted at high levels, while the supply situation was still one of tightness.

Zinc Oxide—Last week's advance in lead metal brought about increases in 35 percent and 50 percent leaded zinc oxides. The former advanced ⅜c. to 16⅝c. in carloads and 17⅝c. in less than carloads, while the latter went up ½c. to 16⅞c. in carloads and 17⅞c. in less than carloads.

Zirconium Oxide—Previously established prices were still holding last week on the 98½-99 percent white, ground; lump, electric fused, and milled, electric fused. Demand continued to run at high levels, while the supply was reported to be in moderately good shape.

Synthetic Resins

Producer-imposed allocations that were put into effect when synthetic resins began to become critically tight seemed to have served their purpose, for last week the report was that the market had settled down to an orderly state following the frantic buying and attempts to buy that came with the beginning of the Korean hostilities. Producers were still at peak production, but consumers were getting pretty close to what they wanted, if not all. The melamine picture was brighter now that the Niagara Falls facilities of one producer, recently affected by curtailed power, were back in full swing. Urea-formaldehyde and melamine resins were up 1c., with the increased cost of butanol responsible. Minor adjustments were also made in alkyds during the week.

Natural Resins

Supply and demand, as well as price were going along on a largely unchanged basis during the past week. In general, the supply picture was not causing any particular difficulty, although here and there were a few items, the filling of orders for which required a short wait. Otherwise, materials were available with reasonable promptness and there were no reasons apparent why there should be any changes in this situation in the immediate future. The demand was still going along at good levels and looked as though it would be maintained there. The call, in general, had subsided somewhat from the frantic days that followed the outbreak of the Korean situation, but was still at good levels. The scare buying seemed to have given way to normal buying for business already in hand or for ordinary inventory building. Prices were holding steady and firm and there did not appear to be any likelihood of sharp or sudden changes in the foreseeable future. Supplies at the

For Late Market Developments, See Page 4

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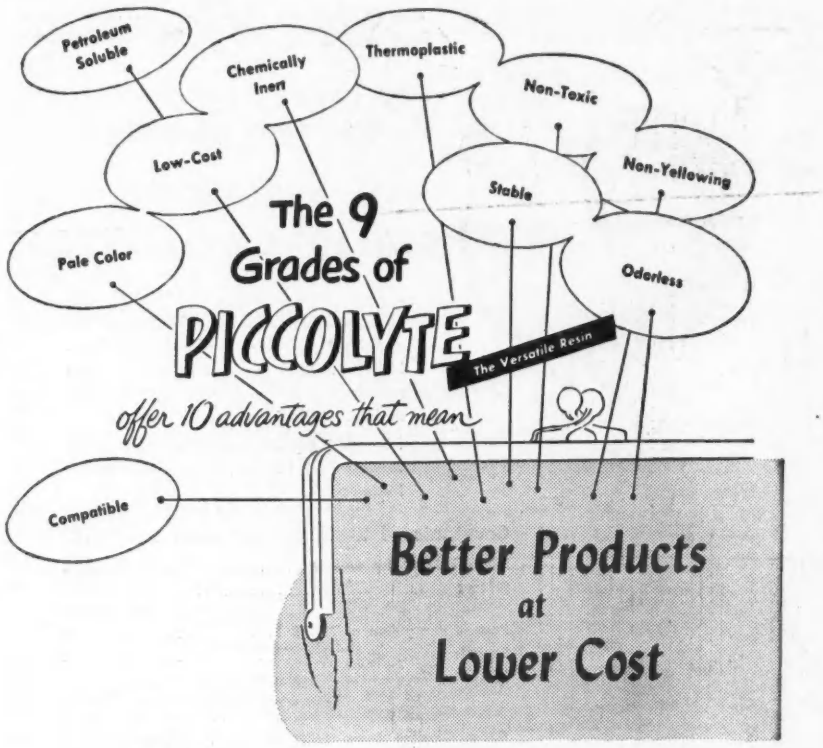

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Solids content by weight	49 - 51%
Solvent	95% Xylene, 5% Butanol
Pounds per gallon at 77° F	8.30—8.40
Specific gravity at 77° F	1.00—1.10
Viscosity, Gardner-Holdt Scale, at 77° F.:	
at 50% solids	Z_2—Z_3
at 40% solids	L—M
Color, Gardner Scale, 1933	6 maximum
Acid value on solids	8 maximum
Tolerance for mineral spirits	50% VM&P naptha
Tolerance for linseed oil	None
Pigment compatibility	All pigments
Type of resin	Glycerol phthalate, oil modified
Type of oil	Dehydrated Castor Oil
Phthalic anhydride content	42%

Ask for test samples

ALKYDOL Laboratories, Inc.
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Hukill Chemical Co., Cleveland 3, Ohio
Harry Holland & Son, Inc., Detroit 26, Mich.

sources were in good shape and the prices there were being maintained pretty well.

Shellac—The market was generally quiet and steady during the past week as it had been for some weeks past. Demand was still holding up to levels that were characterized as reasonably good and supply was sufficiently strong to meet the usual needs of customers without any difficulty. The India market continued uneventful, although there were minor fluctuations. The price listings in this country showed no change from those of the previous period.

India's 1950 Baisakhi lac crop totaled 676,050 maunds, compared with 603,500 maunds in 1949, according to the Department of Commerce. Bihar and Madhya Pradesh were the large producers. A considerable number of the host trees were infected in October and November 1949 for the present crop. Climatic conditions then and for some time afterward were favorable, so that a bumper crop was expected, but lack of rain in March and April of this year did some damage. The yield was not so high as estimated. However, the crop was better than those in the past three years. The Jethwi crop failed. Very little has appeared on the market and estimates are not available.

Lacquer Materials

Dibutyl Sebacate—The demand was about where it had been for this product. It was still running at high levels, although it was reported to have been on a more orderly basis in the recent past. This did not mean that it had dropped off to any appreciable extent, but it did mean that the frantic scare buying that characterized the market some time back seemed to have disappeared. It was said in one quarter that there might be some tapering off before long, although signs of this were a hard thing to spot, because the general practice was to put customers on an allocation basis. Just how much more they would take than they could get at present could not be determined. The price of the CP in carloads was 69¼c. and in less carloads 70¼c. The technical was going for 67¼c. in carloads and 68¼c. in less than carloads.

Miscellaneous Materials

Casein—Domestic and imported materials were still holding unchanged on price during the past week. Demand for the domestic was said to be well sustained, although this seemed to be a quiet moment for the casein market, as well as for the markets of a number of other materials. In one section of the trade it was said that the recent credit restrictions on building probably caused many consumers to sit back and consider the situation, since large amounts of material are used in such items as wallpaper glue and fabricated boards. Supply, however, was up at a good point, and no trouble was being encountered from this quarter.

The Argentine material was not in strong demand here, with large consumers largely out of the market in the anticipation of lower prices. However, Argentina was not dropping the price despite the fact that this was the flush season. Europe has recently been buying heavily and probably will continue to do so, since the production season there will not get under way until February. There was very little left over in the Argentine from the last heavy producing season because of heavy exports. From the beginning of the year until October 1, Argentine exports amounted to more than 20,000 tons. During the comparable period last year the amount exported was 13,000 tons.

Argentina's exports of casein in the first half of 1950 increased to 14,140 metric tons, from 9,080 tons in the corresponding period of 1949, according to a report from the Department of Commerce.

Lecithin—Demand was going along at good levels last week, and the indications were that it would hold that way for at least the foreseeable future. The scare buying that was apparent some time back seemed to have subsided, and the present requests were for material needed to accommodate business in hand. Supply was a little bit on the tight side, but the new crop of beans was coming in, and in a short time this factor was expected to have a healthy effect on the general supply picture. Increased use in the recent past was also helping to tighten up the supply. The prices listed during the week were:—edible, technical, bleached, 18c. in carloads and 19c. in less than carloads, and unbleached, 17c. in carloads and 18c. in less than carloads.

Naval Stores

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended Oc-

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You may have a "problem" for which BCU-22 may be the most practical answer. Call in Bakelite engineers for prompt, confidential analysis of your problem. Write today to Department AN-401.

BAKELITE BCU-22 Urea Resin
TRADE-MARK
BAKELITE DIVISION
Union Carbide and Carbon Corporation UCC
30 East 42nd Street, New York 17, N. Y.

tober 28 averaged $27.10 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with the average of $26.93 for the previous week.

The twenty-one reporting plants received 18,797 barrels of gum or an average of 895 barrels per plant compared with 592 barrels a week earlier. The contents per barrel averaged 10.54 gallons of turpentine and 298.6 pounds of rosin. The gum was graded 32 percent WW, 18 percent WG, 20 percent N, 17 percent M, and 13 percent K and below.

The record of the gum naval stores markets during the week ended November 3 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed	Thurs.	Fri.	New York c.l., f.o.b. ex N. Y. whse. Friday	l.c.l.,
B	$4.10	$4.10	$4.10	$4.10	$4.10	$8.75	$9.50
D	4.25	4.25	4.25	4.25	4.25	8.75	9.50
E	4.75	4.75	4.75	4.75	4.75	8.75	9.50
F	6.60	6.60	6.60	6.60	6.60	9.05	9.80
G	7.13	7.13	8.03	7.91	7.91	9.05	9.80
H	7.20	7.20	8.03	7.91	7.91	9.05	9.80
I	7.20	7.20	8.03	7.91	7.91	9.05	9.80
K	7.20	7.20	8.03	7.91	7.91	9.05	9.80
M	7.20	7.20	8.03	7.91	7.91	9.05	9.80
N	7.60	7.60	8.18	8.01	8.01	9.05	9.80
WG	7.75	7.75	8.28	8.25	8.25	9.15	9.90
WW	7.95	7.95	8.28	8.28	8.28	9.40	10.15
X	7.95	7.95	8.28	8.28	8.28	9.40	10.15

Drums					
Sales	150	...	85	150	12
Receipts	825	719	65	142	1,017
Shipments	...	8,913	...	...	...
Stocks	36,161	30,673	29,085	29,227	30,244

Gum Turpentine

New York, Friday, tankcars, f.o.b. ret. dms., l.c.l., ex whse	gal. (7 lbs.).				.97
	gal. (7 lbs.).				1.07
Savannah Exchange, Bulk—	Mon.	Tues.	Wed.	Thurs.	Fri.
Per gal	.78½	.78½	.78½	.84½	.87
Sales, bbls	160	...	...	80	150
Receipts, bbls	246	293	9	256	187
Shipments, bbls	27	1,732	...	8	141
Stocks, bbls	13,481	12,042	11,426	11,674	11,720

Western New York Paint Technicians Meet Tonight

The Western New York Paint and Varnish Production Club will meet tonight at the 40 and 8 Club in Buffalo, N. Y. Harry G. Maynor, special agent in charge of the Buffalo office of the Federal Bureau of Investigation, will be the guest speaker.

USDA Shifting Naval Stores Units to Florida

Arrangements are under way for moving to Olustee, Fla., the Department of Agriculture personnel now engaged in naval stores research at the Southern Regional Research Laboratory in New Orleans, La., Dr. G. E. Hilbert, chief of the Bureau of Agricultural and Industrial Chemistry, announced November 1. The transfer, affecting fifteen persons, will be completed gradually between now and January 1.

The transfer is being made, Dr. Hilbert said, in order to house the bureau's entire naval stores research division in one location closer to the center of the pine belt. The division's pilot plant for the development of improved experimental processing of pine gum into turpentine and rosin has been in Olustee since 1931. The two laboratory sections to be moved were transferred from Washington to the bureau's Southern Regional Research Laboratory in New Orleans in 1943, two years after the Southern Laboratory building was completed.

Devoe & Raynolds Names Sawyer Division Manager

Roscoe H. Sawyer, assistant chemical director of Devoe & Raynolds Company, Louisville, Ky., has been advanced to the post of manager of the technical division of the concern. Mr. Sawyer, who joined Devoe as assistant chemical director in December, 1948, formerly taught chemistry at Harvard University and for eighteen years, prior to his association with Devoe, was with E. I. du Pont de Nemours & Co., Wilmington, Del., in various technical capacities.

Dewey & Almy Elects Minot

Dewey & Almy Chemical Company, Cambridge, Mass., has elected James J. Minot a director of the concern. Mr. Minot is a partner in Paine, Webber, Jackson & Curtis and a director of the Walworth Company, Allied Kid Company, Van Norman Company, Symington Gould Corporation, Chemical Fund and National Research Corporation.

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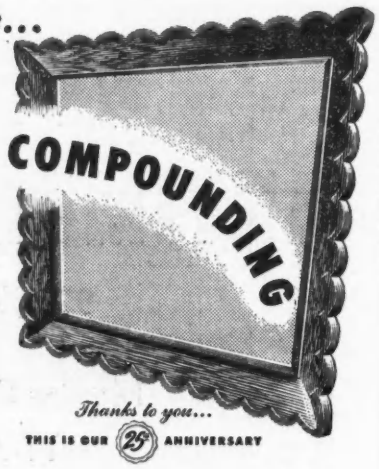

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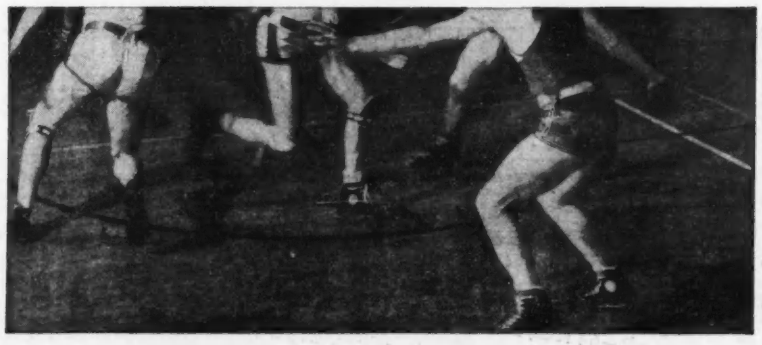

Durez Formulas pass MFMA Tests for HEAVY-DUTY and GYM Finishes

NEW SPECIFICATIONS for heavy-duty (classroom, store, office, bakery, etc.) and gymnasium-type floor finishes were recently set up by the Maple Flooring Manufacturers Association. These specifications cover finishes for maple, beech and birch floors, and became effective on January 1.

DUREZ 570 is a pure phenolic resin that is ideal for finishes of this type. When cooked at 25-gallon length in tung oil, it produces varnishes that meet the new specifications. Our formulations V-51675 for gym floors and V-51674 for heavy-duty finishes have been tested by Foster D. Snell, Inc., consulting chemists, and reported satisfactory in each of the fourteen detailed requirements established by the MFMA.

BEFORE GIVING ITS APPROVAL on any finish, the Association requires a satisfactory test report from the Snell organization. Additional information and copies of the specifications may be obtained by writing the Maple Flooring Manufacturers Association, Oshkosh, Wisconsin.

If you are interested in making varnishes to submit for MFMA approval, we will gladly send you copies of V-51675 and V-51674 formulas, with samples of Durez 570 Resin.

Write Durez Plastics & Chemicals, Inc., 311 Walck Road, North Tonawanda, N. Y.

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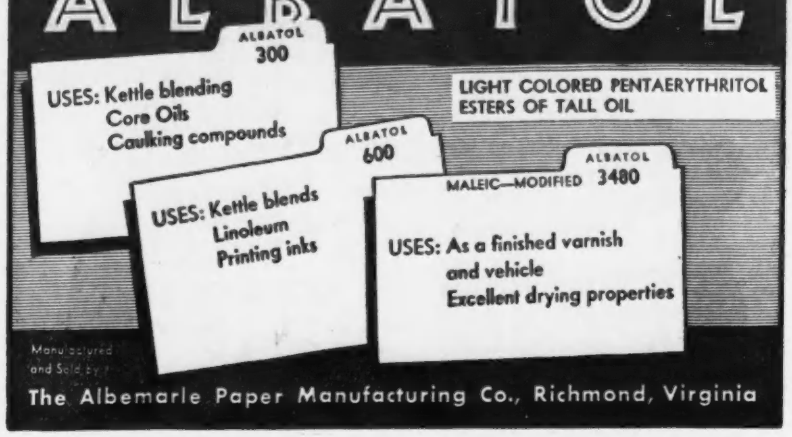

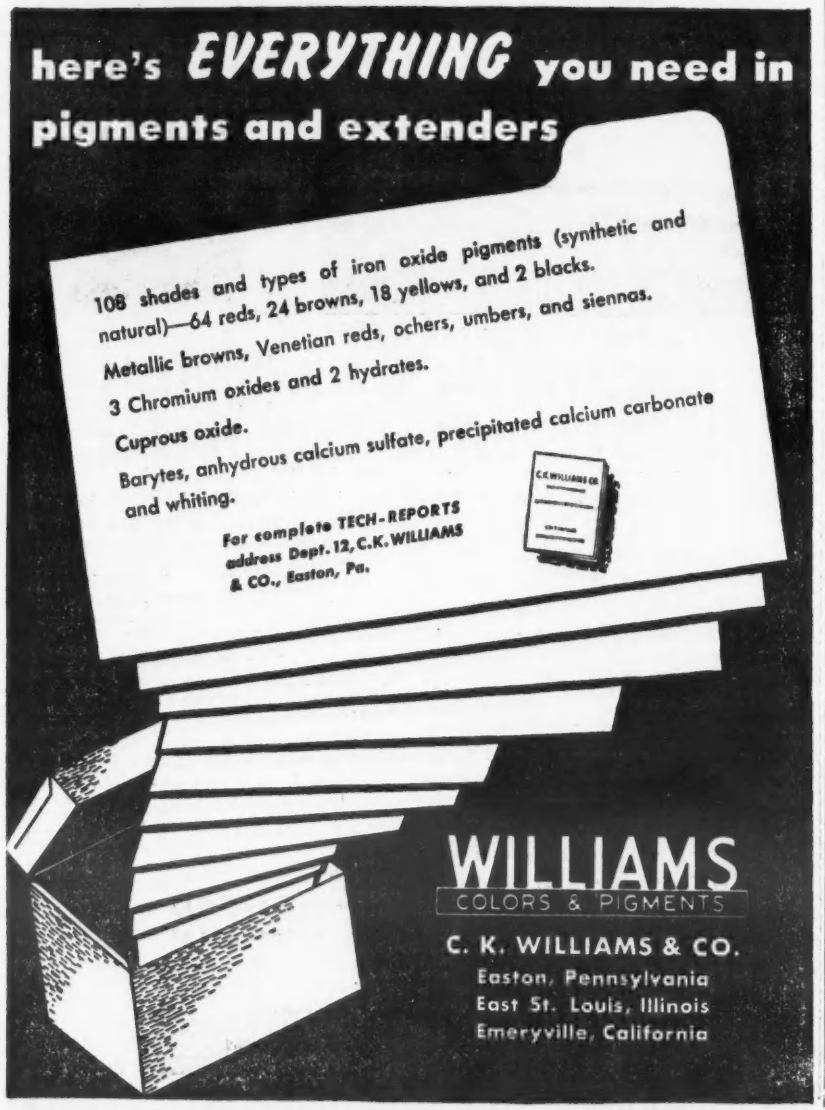
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CCC Gum Rosin Offered At Higher Prices in Nov.

The Commodity Credit Corporation raised the price of its gum rosin offerings for both domestic and export sales as much as 1 cent a pound for November over the October sales, in its monthly list of commodity offerings released November 1.

The new prices for gum rosin, in metal drums averaging 517 pounds, net each, is $8 per 100 pounds net for grades M through G, $8.15 for grade N, $8.25 for grade WG, and $8.50 for grades X and WW. The agency stated that it has 100,000 drums available for sale on an "as is" basis, in storage yards in Georgia and Florida.

The listing also showed 300,000,000 pounds of nonfat dry milk solids available for sale in carload lots of 12½ cents a pound for spray process and 10½ cents for the roller process for sales for export except to the Western Hemisphere. The price for sales to the Western Hemisphere countries is 9½ cents for spray and 7½ cents for roller. The price for domestic uses is 13 cents for spray and 11 cents for roller.

The agency is offering 499,000,000 pounds of raw linseed oil at 14 cents a pound for the export market, f.o.b. tankcars at storage locations. For the domestic market, the price is the market price on the date of sale but not less than 13.75 cents per pound, Minneapolis and Chicago; 14.05 cents Buffalo, San Francisco, Los Angeles, and Cleveland; 14.35 cents, Houston and Kenedy, Tex., and Good Hope, La., all f.o.b. tankcars at storage locations.

Sales of flaxseed will be made at $3.50 per bushel for export market for No. 1 in bulk, basis in store New York, Buffalo and Duluth, with the regular market differentials applying for other markets and other grades. The same price is quoted for domestic sales, basis in store Minneapolis. The agency has 10,000,000 bushels.

Potato starch is priced at $5.10 per cwt., f.a.s. vessel, Boston, for the export market, and $4.50 per cwt., basis f.o.b. Maine shipping points for the domestic market. The agency has an inventory of 600,000 pounds of pearl type potato starch packed in 200-pound burlap bags with paper innerliners, and 5,500,000 pounds for powdered type packed in 100-pound and 200-pound burlap bags with paper innerliners.

N.Y. Paint Technicians Install Officer Slate

Dr. Ralph W. Charlton, Congoleum-Nairn, Inc., Kearny, N. J., was installed as president of the New York Paint and Varnish Production Club at its November 2 meeting held at 2 Park avenue, New York. Henry Grinsfelder, of Rohm & Haas Company, Philadelphia, presented an illustrated lecture on the strength of surface coating films. The club announced the establishment of a "Pay-back Award," an honor certificate to be presented to club members for outstanding service to the paint industry and to the New York club.

Other new officers installed at the meeting were:—Vice-president, Herbert E. Hillman, Eagle Paint & Varnish Works, Inc., Long Island City; secretary, E. Dale Albert, M. J. Merkin Paint Company, Lyndhurst, N. J., and treasurer, W. E. Santoro, Standard Varnish Works, Staten Island.

National Lead Appoints Bender Chief Engineer

Arthur V. Bender has been appointed chief engineer of National Lead Company, New York, it was announced November 2. Mr. Bender started with National Lead in 1939 as an industrial engineer for the Titanium Division in Sayreville, N. J. He headed the plant expansion program there in 1944. In 1946, he was transferred to the general engineering department of the company in New York, specializing in problems concerning titanium. Mr. Bender became manager for the project section of the department in 1948 and supervisor of the general engineering department last year.

N. Y. Paint Club to Hold Christmas Party Dec. 18

The New York Paint, Varnish and Lacquer Association will hold its annual Christmas party December 18 at the Statler hotel in that city, according to an announcement by Arthur P. Mullaly, chairman of the program committee and president of Advance Solvents & Chemical Corporation. Cocktails, as usual, will precede the dinner.

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Alkyd Resin Patents Listed in Bulletin

With the view of acquainting manufacturers and users of alkyd resins with all available patent information, Patent Publications, Box 4094, Washington 15, D. C., has published a special group-list (SR-1) covering every alkyd patent listed by the United States Patent Office. Out of a total of 137 patents in all (showing the main claim or claims of each) it is found that a total of forty-one patents have expired as of September 30, 1950. The alkyd patents listed are those compositions with polyhydric alcohol-polycarboxylic acid reaction products, with monocarboxylic acid or anhydride thereof, and with monohydric alcohol. The price of the new alkyd group-list is $4.

Celanese Asks Return Of Plasticizer Drums

Because of the increasingly critical container shortage, Celanese Corporation of America has put out a call to customers of its "Lindol" and "Celluflex" products for the return of empty steel drums freight collect to the company at 118 St. Charles street, Newark, N. J. A rebate of $1 will be credited for each drum received in good condition. The concern further requests that debit memorandums, covering this rebate, be addressed to Harold Carroll, Celanese chemical division, 180 Madison avenue, New York 16.

New England Paint Club Hears MacKinnon Thurs.

The New England Paint, Varnish and Lacquer Association will hold its next meeting November 9 at the Statler hotel, Boston, Mass. Guest speaker will be J. Gordon MacKinnon, who will talk on "The New Approach to Salesmanship." Dinner will be served at 6:30 p.m. following an hour-long refreshment period.

Southern Paint Technicians Schedule Exhibit March 8-9

The Southern Paint and Varnish Production Club will hold its 1951 machinery and raw materials exhibit March 8 and 9 at the Buena Vista, Biloxi, Miss., during its annual convention meeting. Booths offered by the organization are furnished with a background, one table and two straight chairs, and are separated from adjacent booths. Signs identifying the booth with the company name will be provided.

The exhibit area will be available from March 7 to noon March 10. Standard booth size is eight feet by ten feet, and single space rents for $75. Double spaces are available for $140 and triple for $200. J. Robert English, of Leland Moore Paint & Oil Company, Charleston 35, S. C., is chairman of the machinery and raw materials exhibit.

Paint Show Exhibitors

—Continued from page 4

booth 7, Messrs. Mueser, Hoffman and Gessel; Charles Ross & Son Company, Brooklyn, N. Y., bootn 8, Messrs. C. K. and L. K. Ross, Hill and Miss Patte; Hercules Filter Corporation, Paterson, N. J., booth 9, Messrs. Brinkmeyer, Keene, Hunziker and Jones; Theodore Cornelius, New York, booth 10, Mr. Cornelius; Advance Solvents & Chemical Corporation, New York, booths 11 and 12. Messrs. Mullaly, Young, Klebsattel, Gardner, Schabel, Lechner and Ottens; Plaskon Division, Libbey-Owens-Ford Glass Company, Toledo, Ohio, booth 13, Messrs. Delaney, Woldt, Smead, Piceu, Ginsler, Ellis, Hoppens, Brown and Taylor, and Great Western Manufacturing Company, Leavenworth, Kan., booth 14, Mr. and Mrs. J. E. Baker.

Booth Nos. 15-38

Also J. H. Day Company, Cincinnati, Ohio, booth 15, Messrs Lockhart, Diltz, Steinmann, Flowers, Sentman, Nolan and

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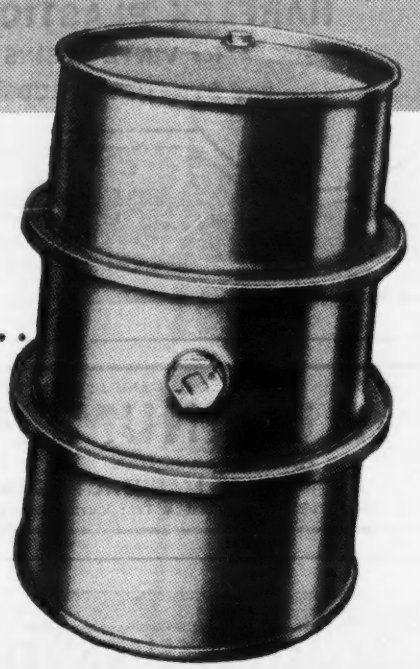

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Rohm & Haas Company, Resinous Products Division, Philadelphia, Pa., booths 59 and 60, Messrs. Alcorn, Allyn, Bretl, Cheetham, Clark, Collins, Cooke, Elliott, Grinsfelder, Klein, Rementer, Sheets, Sohl, Timmons, Toussaint and Urquhart; R-B-H Dispersions, Division of Interchemical Corporation, Bound Brook, N. J., booth 61, Messrs. Bluthardt, Craft, Galowitsh and Norris; Anderson-Prichard Oil Corporation, Oklahoma City, Okla., booth 62, Messrs. Dresser, Easterday, Scoggin, Fessler, Centracco, Rubek, Johnson and Rooney; South Florida Test Service, Miami, Fla., booth 63, Messrs. Smith and Fletcher; Atlas Powder Company, Wilmington, Del., booth 64, Messrs. King, Brander, Kass and Heberger, and Ross & Rowe, Inc., New York, booth 65, Messrs. Schlesinger, Hilty, Elliott and Lynch.

Uses and Applications of Chemicals

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Lead Naphthenate

Adhesives — Ingredient of adhesive compositions.

Electric—Ingredient of insulating compositions.

Lubricant—Ingredient of extreme pressure lubricants.

Paint, Varnish, and Lacquer—Drier in enamels, paints, varnishes.

Ingredient of varnish substitutes.

Manganese Naphthenate

Adhesives—Ingredients of adhesive compositions.

Electrical—Ingredient of insulating compositions.

Paint, Varnish, and Lacquer—Drier in enamels, paints, varnishes.

Ingredient of varnish substitutes.

Methyl Paratoluenesulphonate

Chemical—Alkyleting agent in syntheses of organic compounds.

Catalyst in syntheses of organic ester compounds.

Intermediate in making synthetic pharmaceutical and photographic chemicals.

Dye—Intermediate in syntheses of dyestuffs.

Resin—Catalyst in making alkyds.

Orthophenylene Di-isothiocyanate

Chemical—Starting point (Brit. 521116) in making water-repellents for textiles paper, leather, furs, and the like by reacting with cetyl alcohol, octyl alcohol, dodecyl alcohol, and the like, naphthenic alcohols, cholesterol, and the like (the repellents are said also to impart resistance to organic solvents and soap solutions).

Propane-1:2-diol-3-sulphonic Acid Dihexoate

Cosmetic—Dispersing and wetting agent (Brit. 588555) in hair-slicking and waving preparations, hand and other toilet lotions, shampoos.

Foaming agent (Brit. 588555) in shampoos and toilet lotions.

Fats, Oils, and Waxes—Dispersing, foaming, and wetting agent (Brit. 588555) in sulphonated oil preparations variously applied.

Soap—Dispersing, foaming, and wetting agent (Brit. 588555) in shampoos, shaving preparations, and special detergents.

Sodium Tetrasulphide

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Pesticide—Reactant in making fungicides, insecticides.

Leather—Soaking agent for hides and skins prior to unhairing.

Metallurgical—Sulphiding agent in making metal sulphide finishes.

Mining—Reagent in ore flotation.

Zirconium

Electrical—Tantalum substitute in electrolytic condensers, radio tubes, rectifiers.

Mechanical—Corrosion-resisting metal for making parts coming into contact with acids in equipment, such as mixers, conversion heaters, stills, pipes, valves, tank linings, and the like.

Metallurgical—A metal having about the same tensile strength as tantalum, but the elongation is much less, as is also true of the modulus of elasticity. Thus, it work hardens more than tantalum, which makes it more difficult to form, but the resulting product is stiffer and more resistant to wear. Its density is only one-half that of tantalum. Its use up to now has been narrow, restricted by the high cost of production, but investigations are finding more economical and practicable methods of production.

Oils, Fats and Waxes

Trend of oils and fats prices continued upwards last week, especially edible vegetable oils as a result of the steady advance of cottonseed and soybean oils. Animal oils were unchanged, though tallow and greases were off slightly. Price index advanced 3.0 points.

Further increases in the cost of soybeans and crude cottonseed oil dominated edible oils and prices were boosted for corn, peanut and soybean oils. Trading was spotty at advancing levels and restricted to nearby delivery. Bleachable cottonseed oil futures also reflected the strength of crude oil and soybeans and reached new highs for the season under a broad speculative demand.

Tallow and greases were unsettled by lower western markets, and declined fractionally. Trading was moderate at the lower level. Other animal oils were quotably unchanged, but consuming inquiry slackened.

Coconut oil remained unchanged and steady, though copra was off $5 per ton. Coconut fatty acid was easier and reduced 1½ cents per pound. Other vegetable fatty acids were firm, due to higher cost of basic oils. Cottonseed fatty acid was lifted 1 cent per pound in one quarter.

Tung oil was stronger and lifted fractionally under improved consuming demand. Linseed oil for spot delivery was lower while later deliveries were unchanged. Tall oil was stiffened by sold up production.

Market Trends

Prices Advanced

Carnauba wax, No. 3, crude, 2c. per lb.
Corn oil, 1c. per lb.
Cottonseed oil, ½c. per lb.
Palm oil, ½c. per lb.
Peanut oil, ¾c. per lb.
Soybean oil, ¾c. per lb.
Tall oil, ¼c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

Coconut fatty acid, 1½c. per lb.
Copra, $5 per ton.
Greases, ¾c. per lb.
Linseed oil, 2 10c. per lb.
Tallow, ¾c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Nov. 4, 1949
165.8	162.8	157.3	111.3	109.3

(For Current Prices see Page 9)

Cottonseed Oil

Bleachable cottonseed oil futures continued strong, with crude oil and soybeans, registering new highs again for the season. Trading was active under broad general buying which absorbed liberal liquidation on the bulges. While new highs were not sustained, moderate net advances took place. Refiners were reported taking December against sales of futures. Open interest reached a new high totaling more than 5,800 contracts. Lard was irregular, while competing vegetable oils followed the upward trend of cottonseed and soybean oils.

Crude cottonseed oil was strong, advancing ½c. per pound. Trading was light due to limited offerings. Sales and bids were at 20½c. per pound, tankcars, f.o.b. mills, Southeast and Valley, and 20¼c.., Texas.

Disappearance of refined cottonseed oil in September totaled 1,849 tankcars, compared with 2,464 in August and 1,947 in September last year. Visible supply was estimated at 4,535 tankcars, at the end of September, against 4,140 for the same time last year.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended November 3 follow:—

	Sales	High	Low	Close
		Cents per pound		
December	884	23.56	22.30	23.05@23.10
March	864	23.00	21.85	22.30S
May	1,351	23.00	21.90	22.25S
July	631	22.79	21.85	22.15S
September	85	21.29	20.50	20.70S
October	1	19.60	19.60	19.70@20.25

Total sales, 4,016 tankcars, including switches.

Memphis—Crude cottonseed oil held at 20½c. per pound, tankcars, f.o.b. mills and crude soybean oil at 15¾c., November shipment. Trading continued light. Cottonseed meal 41 percent quoted at $69 per ton, sacked, Memphis. Cottonseed cake, 41 or 46 percent quoted at $63 per ton, bulk, Mississippi mills with export rate about $7 per ton sacked. Soymeal 41 or 44 percent quoted at $62 to $63 per ton, Valley. Cottonseed hulls, $17 per ton, bulk, Valley.

Linseed Oil

Active consuming demand was noted for oil against current contracts while new business was slow and restricted to actual requirements. Market was steady. Prices for spot oil were lowered to the November level of 15.60c. per pound, tankcars, zone 3. Other positions were unchanged. December was held at 15.30c. and January-June, 15.10c.

Flaxseed stored in all positions October 1 was reported at 36,774,000 bushels, a sharp reduction from 50,967,000 bushels on hand a year ago. The July 1 carryover totaled 16,975,000 bushels and the July-September disappearance was reported at 15,455,000 bushels. The new crop is forecast a 35,244,000 bushels. Seed processed for oil was estimated by the Census Bureau at 11,027,000 bushels during July-September.

Trade sources in the Argentine report that 1950-51 flaxseed sowings there have expanded only slightly and acreage was estimated at 3,000,000 acres, about 8 percent above 1949-50.

Minneapolis—Very little linseed oil was sold the past week by local crushers. Bulk of the trade continued to sit tight after the slight tightening up on prices. About the only oil sold was that for prompt needs. The extended Indian summer weather proved a boon to the paint trade in the midwest. Raw linseed oil for November shipment was quoted at 15c. a pound, in tankcars, zone 1; December at 14.7c., and January-August at 14.5c. Shipping directions slackened a bit.

Shipments of linseed oil, in pounds, were as follows:—

	1950-51	1949-50
Past week	9,360,000	8,460,000
Since Sept. 1	89,840,000	90,420,000

Flaxseed—Offerings of seed still light and well held. Market remained steady.

Minneapolis — Although previously-booked flaxseed arrived in good volume here last week, crushers were able to pick up only 267 cars on a to-arrive basis and only 27 spot cars. Producers appeared reluctant to sell seed at $3.25 and $3.30 per bushel. Crushers paid $3.30 for most of the seed, then boosted their bids to $3.35 late in the week. Storage appeared to be a big problem for most crushers and they preferred deferred delivery. Actual flax receipts totaled 1,252 cars for the week, compared with 1,445 in the preceding week and only 130 cars a year ago. CCC made the only shipment East last week—183,500 bushels to Buffalo, N. Y.

Receipts and shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1950-51	Receipts 1949-50	Shipments 1950-51	Shipments 1949-50
Past week	2,043,400	254,300	265,200	20,400
Since Sept. 1	14,779,000	8,247,200	1,638,800	703,800

Other Vegetable Oils

Castor Dehydrated—Trading was reported fairly active for immediate needs. Prices were without change and firm.

Coconut—Crude oil was quotably unchanged at 16½c. per pound, tankcars, f.o.b. Pacific coast for shipment during the balance of the year. Inquiry was inactive.

Copra—Prices were unsettled and off

Cottonseed Crush: September

Cottonseed received and crushed and production of cottonseed products during September and August, 1950, as compiled by Bureau of the Census, follows:—

Cottonseed

	Sept. 1950	Aug. 1950
	Tons	
Receipts	601,101	219,721
Crushed	404,971	228,284
Stocks at mills	472,067	275,937

Crude Oil

	Pounds	
Produced	122,261,000	*72,730,000
Stocks at mills	32,837,000	*16,518,000

Refined Oil

	Pounds	
Produced	86,001,000	78,244,000
Factory and whse. stocks	72,988,000	97,930,000

Cake and Meal

	Tons	
Produced	181,784	104,675
Stocks at mills	153,830	121,179

Hulls

	Tons	
Produced	93,569	54,617
Stocks at mills	82,256	72,965

Linters

	Bales	
Produced	[1]132,574	68,236
Stocks at mills	[2]71,574	51,565

* Revised.

[1] Average gross bale weights:—Total, 506.7; first cut, 587.0; second cut, 602.6; and mill run, 580.3 pounds.

[2] Includes 30,063 bales first cut, 35,254 bales second cut, and 6,257 bales mill run.

For Late Market Developments, See Page 4

TALLOW FATTY ACIDS GLYCERINE STEARIC ACID
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$5. per ton. Shipments were quoted at $215. per short ton, c.i.f. Pacific coast.

Corn—Market was stronger. Sales of crude were reported at 19¾c. per pound, tankcars, f.o.b. mills, with sellers asking ¼c. more. Refined oil was more or less nominal at 23½c. per pound, tankcars, New York delivery.

Olive—Quiet demand and increased offerings for spot and prompt delivery have unsettled this market. Prices were unchanged and nominal at $3. to $3.15 per gallon, drums, duty paid. Interest lagged for shipments from primary centers. Foots were unchanged at 17¼c. to 17½c. per pound, drums, spot as to quantity.

Peanut—Crude oil was higher, with trading at 21½c. per pound, tankcars, f.o.b. mills and 22c. bid. The government released peanuts for 68 tankcars of oil last week. Refined oil was advanced to 25½c. per pound, tankcars, New York basis. Department of Agriculture, announced October 26 a marketing quota of 650,000 tons of 1951-crop peanuts and a national allotment of 1,771,117 acres. The department also stated that a referendum on marketing quotas for the 1951, 1952, and 1953 crops will be held December 14, 1950.

Soybean—Higher cost of soybeans continued to lift prices of oil. Crude oil was advanced to 16¼c. per pound, tankcars, f.o.b. mills, immediate shipment. November was 16c. bid; December 15½c. bid, and January-June 15¼c. bid. April-June sold at 15¼c., and July-September 15c. Refined edible oil was boosted to 18¾c. per pound, tankcars, New York, prompt delivery. Clarified and alkali refined advanced ¼c.

Consumption of crude soybean oil in September totaled 2,670 tankcars, against 3,091 in August and 2,274 in September last year. Visible supply was indicated at 1,304 tankcars at the end of September, compared with 2,700 for the same time last year.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended November 3 follow:—

	Sales	Cents per pound High	Low	Close
November	18	16.25	15.00	15.75@16.25
December	79	15.75	14.35	15.50@15.60
January	26	15.35	14.10	14.29S
March	224	15.35	14.14	15.02@15.08
May	509	15.37	14.18	15.07S
July	293	15.27	14.05	15.00S
September ...	19	15.00	14.14	14.80S

Total sales, 1,168 tankcars and switches.

Tung—Market was firmer and ¼c. higher. Trading took place at 25c. per pound, tankcars, New York for immediate and prompt delivery. Carlots ranged from 25c. to 25¼c. per pound, tankcars, New York, November - December delivery. Drums were firmer and held at 26½c. to 27c. per pound, as to quantity and seller.

Tung nuts support price for 1950 crop was announced by the goverment November 1 at $63 per ton, basis of 17.5 percent oil content, and 25.10c. per pound for tung oil to producers. Only change from the 1949 program was the announcement of a loan program available to producers of tung oil. Loans will be made against approved warehouse receipts and loan and purchase agreements for oil will be available through June 30, and purchase agreements on nuts through January 31. Final date of delivery on tung oil will be October 31, the same as last season. Last year's support price for tung nuts was $60 per ton and 24.10c. for oil. Premiums will be established later for tung nuts containing more or less than 17.5 percent of oil.

Fats and Greases

Greases—Trading was reported spotty at slight declines. Prices were easier for all grades. Offerings were fairly liberal at outside points. Export business was light. Choice white was nominal at 12¼c. per pound, tankcars, delivered; yellow 10⅛c. and house 9⅞c., same basis.

Lard—Market was irregular and lower for the week. Business was fairly active for prompt needs. Cash lard was nominal at 12.50c. per pound, tierces, Chicago. Lard stocks in Chicago amounted to 24,455,140 pounds, November 1, compared with 31,483,145 pounds, October 1 and 18,382,255 pounds, November 1, last year.

Tallow — Prices were unsettled with easier western markets and were off fractionally. Trading was fairly active for prompt delivery. Sales of fancy were reported on the basis of 12¾c. per pound, tankcars, delivered; extra was quoted nominally at 12½c. and special 11¾c., same basis.

Fish Oils

Refined — Firmness of crude sardine and menhaden was reflected in refined grades. Limited quantities of crude sardine were sold at 12c. per pound, tankcars, f.o.b. Pacific coast, and the market was firm thereat. Crude menhaden was scarce and nominal at 11½c., tankcars, Baltimore. Refined light pressed was maintained at 15c. per pound, tankcars and alkali refined at 16c., New York basis. Newfoundland tanked cod oil was firm and nominal at 12½c. per pound, barrels, prompt delivery, New York.

Los Angeles—Scattered trading was reported throughout the market with approximately 10-15 cars of crude sardine moved at 12c. per

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pound, f.o.b. San Pedro. Following the light-of-the-moon period, pilchard fishing is again underway with catches of 4,000 pounds per night expected. Landings for the Southern California area total 112,485 tons through October 30, compared to 72,706 tons for the same period last year.

Fatty Acids

Buying interest was reported active for most grades. Red oil and stearic acid were unchanged and steady, with high cost of tallow and greases. Coconut oil fatty acid was easier and cut 1½c. Distilled was reduced to 25c. per pound, tankcars, and 26½c., drums, carlots and double distilled was 1c. more. Cottonseed fatty acid was raised 1c. in some directions, but the advance had not become general last week. Soybean fatty acid was without change and firm.

Cake and Meal

Cottonseed Cake and Meal—Forty-one percent loose slab cake was sold at $63 per ton Mississippi Valley points, November-December shipment. Forty-one percent sacked meal was offered at $69 to $70 per ton Memphis, November-December shipment. Offerings of meal in the southeast continued scarce with most sales for local delivery.

Linseed Meal—Prices were advanced due to improved demand.

Minneapolis—Improved demand from cattle feeders advanced meal prices 50 cents to $1 a ton last week. Meal 38 percent for November was quoted at $57.50 per ton, bulk, carlots, f.o.b., Minneapolis; $58.50 for December-March; 34 percent, $58.50 per ton, spot; $59.50, December-March.

Shipments of linseed meal, in pounds, were as follows:—

	1950-51	1949-50
Past week	23,680,000	20,580,000
Since Sept. 1	171,800,000	163,670,000

Peanut Meal—Since the government started releasing fairly good tonnage for crushing, the demand for meal has picked up and there has been fairly good trading. Last week the government announced the release of peanuts to produce about 3,000 tons in the southeast. Forty-five percent OP meal was sold at $64 to $65 per ton, Georgia and Alabama mills and $72 basis Virginia, November shipment.

Soybean Meal—Forty-four percent bulk meal was offered at $55.50 to $57 basis Decatur, November-December shipment. In the southeast forty-four percent was available at $60 per ton, West Tennessee and Mississippi Valley points and $65 to $66, Alabama. Demand continued good.

Waxes

Carnauba—Although trading was quiet, the market remained steady. Offers of new crop for shipment continued light and were firm. No. 3, crude was stronger and quoted at 86c. to 88c. per pound, and refined, 90c. to 92c., on spot, as to quantity. No. 1 yellow was maintained at $1.03 to $1.05 per pound, same basis.

Margarine Output: Sept.

Margarine production totaled 65,816,000 pounds in September, compared with 84,129,000 pounds in August, and 74,407,878 pounds in September last year, according to the Census Bureau.

Production, Shipments and Stocks of Oleomargarine

	Pounds	
	Uncolored Sept.	Colored Sept.
Stocks, beginning of month[1]	5,854,000	10,646,000
Production	24,516,000	41,300,000
Shipments	24,993,000	44,318,000
Stocks, end of month[1]	5,377,000	7,628,000
Production by type of package[2]:		
One pound:		
Regular (Elgin, Western, etc.)	12,385,000	39,553,000
Bags (plastic)	7,835,000	.....
Bulk:		
Pats or chips	.....	[3].....
Over one pound (excluding pats and chips)	4,293,000	1,766,000

Consumption of Animal and Vegetable Fats and Oils in Oleomargarine

	Pounds
Cottonseed oil, refined	6,279,000
Soybean oil, refined	3,079,000
Lard, rendered	231,000
Deodorized oil	229,000
Stearin, vegetable oil winter	749,000
Stearin, animal, edible	330,000
Oleo oil	255,000
Hydrogenated cottonseed oil, edible	19,773,000
Hydrogenated soybean oil, edible	22,340,000
Hydrogenated other oil, edible	705,000
Fats and oils not shown separately to avoid disclosure[4]	267,000
Total	54,237,000

[1] Stocks held at producing plants only. Total factory and warehouse stocks at the beginning and end of September were 21,383,000 pounds and 16,864,000 pounds, respectively.

[2] The sum of these items does not agree with production shown above due to the fact that some oleomargarin is not packaged during the same month in which it is produced.

[3] Combined with "Over one pound" to avoid disclosure.

[4] Additional consumption items will be shown in subsequent months whenever possible.

Plants: Charlotte, N. C., Cincinnati, Ohio, Dighton, Mass.

Product	Use	Description
RED OILS	Soaps, Lubricants, Softeners. Cutting, Flotation & Quenching Oils. Pigment dispersion. Textile Oils.	Single or double pressed. 98% saponifiable matter guaranteed. Low titre.
AHCOLEIN 810	Wherever highest quality red oil is required. Soaps, creams, emulsions, textiles, etc.	Distilled red oil. Almost colorless. F.F.A. 98-100%. Meets or exceeds U.S.P. specifications.
FATTY ACID ESTERS	Plasticizers and lubricants.	Low volatility and acidity; mild odor; improved heat stability.
TRIPLE PRESSED STEARIC ACID	Ester manufacturing, Emulsifying agent for Greases, Rubber, Paints, Pharmaceuticals, etc.	Saponified; in spray or slab form. Low iodine value.
METALLIC STEARATES	Petroleum Greases, Inks, Paints, Varnish, Lacquers, Rubber, Plastics, etc.	Aluminum, Zinc, Calcium, Magnesium and Barium.
GLYCERINE	Textiles, Rubber, Glues, Paper, etc.	88% saponification crude.

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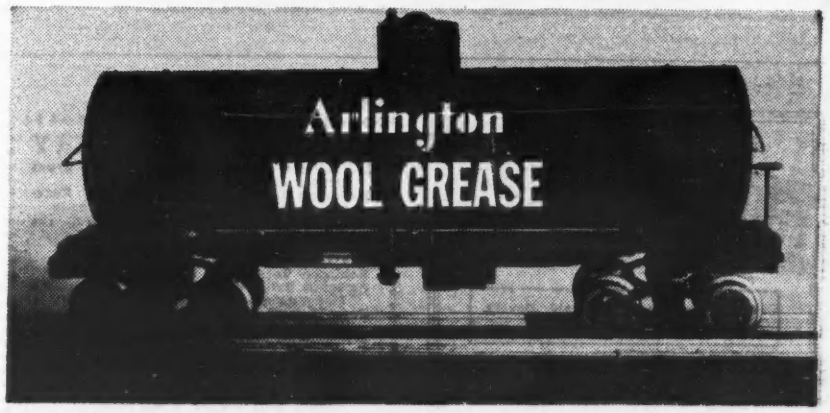

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1—ALUMINUM Sperry, 30" x 30", Plate and Frame, 45 chambers.
2—3' x 1' and 6' x 4' Oliver, top feed.
1—8' x 15' OLIVER PRECOAT Vac. continuous Filter.
1—8' x 12' Oliver Acidproof—lead fitted.
3—8' x 10' Oliver steel, wood staves.
2—8' x 4' Dorrco Continuous Vacuum Filters.
2—6'6" x 6' Feinc, string discharge, pumps, etc.
2—8' x 12' Oliver, all steel.
2—11'6" x 18' Oliver, all steel.

1—Stokes 79-80 semi-auto. TUBE FILLER, CLOSER, CLIPPER.
60—40, 60, 80, 100, 150 gal. ALUMINUM JACKETED KETTLES, pressure tested.
1—J. H. Day Steam Jacketed ALUMINUM Horiz. 1,000# DRY POWDER MIXER.
1—160 gal. Buhrstone-lined PEBBLE MILL, with expl. proof motor.
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1—Complete DRY ICE PLANT, capacity 50 tons per day, steam driven.

6—25,000 gal. Horizontal STEEL STORAGE TANKS, 3/8", with 12' high steel supports.
4—12,000 gal. Horizontal STEEL TANKS.
2—#0000 RAYMOND PULVERIZERS, also selection other sizes and 30 Hammer Mills of various makes.
1—#1 BANBURY MIXER, chrome plated rotors, drive, 40 HP motor.
5—Day Roball Sifters, #71, 40" x 84", STAINLESS STEEL, Single Deck, motor driven.

1—Baker Perkins 100 gal. Stainless Steel Vacuum Mixer.

1—500 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 5' x 6', jacketed, with drive and motor.
1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' x 7'6".

1—48" COPPER RECTIFYING COLUMN, with 40 bubble-cap plates.
1—36" CAST IRON RECTIFYING COLUMN, with bubble-cap plates.

10—BAKER PERKINS MIXERS, Jacketed and Unjacketed, 5 gal., 9 gal., 20, 50, 100, 150, 200 gallon.
1—#0A 18" RAYMOND SCREEN MILL.
1—Rogers 3' Stainless Steel VACUUM PAN.

DRYERS

3—Rotary Vacuum Dryers: 5' x 33' and 5' x 25' Devine; 4 x 20' #59-C Stokes; 3 x 15' #59-B Stokes; each complete with auxiliary equipment.
4—Vacuum Shelf Dryers: Devine 10—40" x 43" shelves; Devine, 17—40 x 43" shelves; Devine, 18—59" x 78" shelves.
1—Double Shell Rotary Dryer, outer shell 10' x 42' long, inner shell 5'6" x 57' long, all lined, with auxiliaries.
1—Buffalo Vacuum Drum Dryer, double rolls, each 42" dia. x 120", complete. Also 5' x 10'6" Devine with single bronze drum.
9—Double Drum Atmospheric Dryers: 28 x 60", 36 x 81" Black & Clawson; 32 x 72", 32 x 90", 32 x 100", 42 x 90", 42 x 100" Buffalo.
8—Single Drum Atmospheric Dryers: Two UNUSED 48" x 48" Goslin-Birmingham; 48 x 40, 5 x 12' Buffalo; 4 x 5' chrome clad; 4 x 9' Albright-Nell.
1—6' x 4' Flaker, chrome-plated, m.d.
2—6' x 27' Davenport Rotary Steam Tube Dryers, vari-speed reducer and motor.
12—Rotary Dryers: 3'6" x 24' Aluminum; 4' x 30' Monel; 5'4"x40' Stainless Steel; 2' x 15', 5' x 24', 5' x 30', 5' x 50', 6' x 60', 8' x 60', 9' x 85', 11'6" x 120'. Also ROTARY KILNS up to 9'6" x 250'.

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5—Simpson #0 Intensive Mixers "Unused."
1—Baker Perkins #6 Laboratory Vacuum Mixer.
10—Baker Perkins Jacketed & Unjacketed Mixers, 30, 100 & 200 gals. cap.
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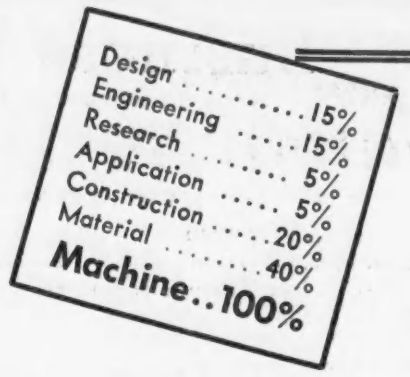

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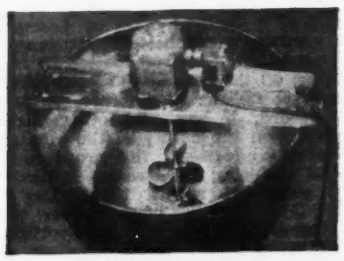

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1—Tolhurst 26" Suspended Centrifugal, steel perforated basket.
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2—Rotary Vacuum Dryers 36"x8', 4'x20'.
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7—Rotex Sifters 40"x56", 40"x84", 40"x120".
3—Tyler Hummer Screens 4'x5', 3'x5'.
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1—Hardinge Conical Ball Mill, 4½'x24"
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1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century 2 HP, 4 speed Vert. Mixer.
3—Baker Perkins heavy duty Jack. Mixers. 200, 100, 50, & 9 gals.
Stokes #2E Paste Filler, fills to 5 gals.
Impreg. Units, Lab. or Pilot Plant & up.
2—Abbe Pebble Mills, 6'x8' & 60"x48".
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5—Lehman & Kent 3-Roll Steel Mills. 3"x9", 8"x22", 9"x32", 12"x30", 16"x40".
1—9"x24", 3 pair high, Steel Roller Mill, corrugated.
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1—Sturtevant 36" Rock Emery Mill.
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3—Nickel Lined Tanks, 300 gal.
2—Stainless Tanks, T304 6,000 gal., Horiz.
3—Stainless Kettles, T347, 1,000 gal., flat top, agitated, non-jacketed.
20—Pfaudler Horiz. Glass Lined Tanks, 7,500 gal. & 8,250 gal.
50—Stainless Clad Jacketed Kettles, 30 gal, 40 gal., 60 gal., 80 gal., 100 gal., 150 gal.
3—Filter Presses Wood P&F, 30".
8—Filter Presses, C.I. P&F, 10" to 24".
1—Rotary Vacuum Filter, 8' x 8', acid proof.
1—Sweetland #10 Filter, Monel leaves.
1—Deep Well Pump, 150 GPM, 325', 20 HP motor, in original crates.
6—Ingersoll Rand bronze centrifugal pumps, #1½-CRVN, #1½-CRVNL/ new.
1—Kinney High Vacuum Pump, size DVD-14918.
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2—Sharples 14 V Centrifuge, stainless.
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1—Swenson Jacketed Crystallizer, 30'L x 24"W x 24" deep.

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Wanted: Rotary vacuum filter with total filtering area of approximately 100 sq. ft. Must be in good condition. Give all details, including price, location, condition, etc. OPD 531.

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Individual wishes to buy for own operation medium size firm of good reputation, long established, where owners wish to retire or settle estate. Will buy either assets or capital stock. Reply held confidential. OPD 539.

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Current Prices

—*Continued from page 37*

Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	7.35	—
l.c.l., works	100 lbs.	7.75	-10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	2.80
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l.c.l. same basis	lb.	1220	.14
Zinc-formaldehyde sulphoxalate, basic, dms., c.l.	lb.	.23½	—
l.c.l.	lb.	.24	—
normal, dms., l.c.l., works	lb.	.50	—
Zircon (see Zirconium silicate).			
Zircomum acetate, 13% sol ZrO_2, bbls., works	lb.	.21¼	—
Carbonate, basic, cake, bbls., works	lb.	.30½	—
Hydride, cns., works	lb.	7.00	8.00
Nitrate, dms., works	lb.	1.75	—
Oxide, 98½-99% white, grd., bbls. or bgs., works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton or less, works	lb.	.45	.48
milled, electri-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½	—
Silicate, granular, bgs., c.l., works.	lb.	.03¼	.03¾
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	lb.	.04¼	.04¾
milled, bgs., c.l., works	lb.	.04¾	—
5 tons, works	lb.	.05¼	—
1 ton or less, works	lb.	.05¾	.06¾
refined, bgs., c.l., works	lb.	.11	—
5 tons, works	lb.	.11½	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works.	lb.	.37½	—
5 tons, works	lb.	.38	—
1 ton or less, works	lb.	.38½	.39

Canadian Flaxseed, Soybean Crops Seen Higher in 1950

Canadian flaxseed acreage in 1950 is estimated at 547,000 acres, a 70 percent increase from the 322,500 acres harvested in 1949, according to the Office of Foreign Agricultural Relations. This compares with the 1935-39 average of 307,000 acres and the 1943-47 average of 1,549,000 acres.

Canadian soybean acreage in 1950 again reached a new record. There were 142,000 acres planted in 1950, compared with 103,800 acres in 1949, an increase of 36 percent. This compares with an average of 9,714 acres during 1935-39 and 47,600 acres in 1943-47.

The 1950 sunflower seed acreage is unofficially and tentatively estimated to be about 23,000 acres, all in Manitoba. This is a sharp decline from the 60,000 acres harvested in 1949. Severe floods in the Spring materially reduced intended sunflower acreage. The crop is expected to be only 5,175 tons, compared with 13,500 tons in 1949.

Canadian rapeseed acreage in 1950 was the lowest since this crop was introduced in 1943. Only 1,400 acres were sown, compared with 20,000 in 1949 and 80,000 in 1948. Heavy frost in the producing area reduced yields considerably and current production is estimated at 210 tons, compared with 8,500 tons in 1949.

Johnson in ESA Post

G. Griffith Johnson, former assistant chief of the division of fiscal analysis, Bureau of the Budget, has been named assistant administrator for economic policy of the Economic Stabilization Agency. He will assume his new duties immediately. During the last war he was connected with the Office of Price Administration as assistant director of the consumer goods division and later as a special assistant to the deputy administrator for price.

NSRB Amortization Rules

—*Continued from page 4*

nomic usefulness of the facility for other than defense purposes after five years.

Certificates may be obtained for facilities that are acquired or are second hand, but it must be shown that there is a clear prospect of a substantial increase in the usefulness of such facilities for national defense and such increase cannot be obtained by other practical means. Replacements will not be certified if they would have been made, at or about the time made, regardless of the emergency.

Among other considerations, in the making of a determination on a request for a certificate, will be:—(1) assurance of fair opportunity for participation by small business; (2) the promotion of competitive enterprise; (3) the competence, performance record, if any, and other factors bearing upon the ability of the applicant to manage effectively the proposed expanded facilities; (4) location of the facility with due regard to military security; (5) availability of manpower, housing, community facilities, transportation, and other elements of production; and (6) methods of financing.

Application Deadlines Set

Application must be made for certificates on facilities within six months after the beginning of construction, reconstruction, erection or installation in the case of those which started after September 23, 1950, while applications must be filed on or before March 23, 1951, in the case of those begun prior to September 23, 1950.

The application forms are obtainable from the NSRB or the field offices of the Department of Commerce. The applications are to be filed with the NSRB, and the chairman will be guided in his decision on granting the certificate by the recommendations of the various government agencies concerned with the particular facility.

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Fats and Oils Demand

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September, 1950, totaled about 1,200,000,000 pounds, slightly more than a year earlier. A further increase is likely in 1950-51 because of stronger demand from United States industry and an increased incentive for government stockpiling of strategic materials. Coconut, palm, castor, and sperm-whale oils are on the list of commodities for stockpiling.

Increases in imports in 1950-51 probably will be confined to a few oils used mainly in nonfood products, notably coconut oil. At present import controls restrict the importation of butter, most edible oils other than olive oil, flaxseed, linseed oil, inedible tallow, and greases.

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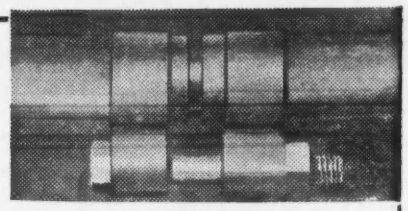

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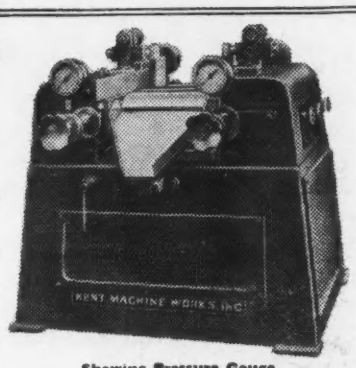

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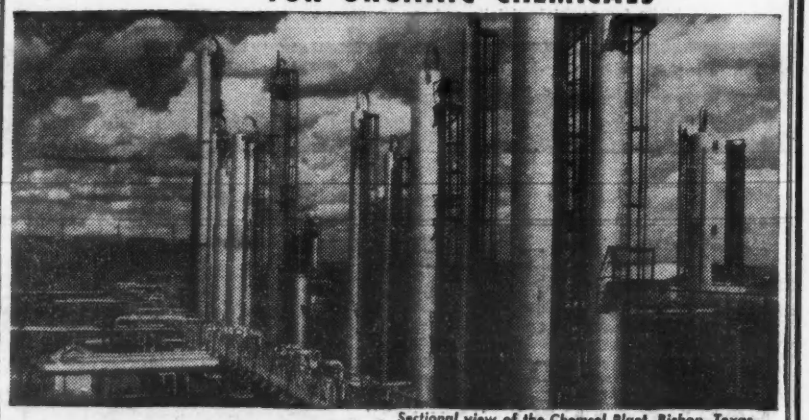

Sectional view of the Chemcel Plant, Bishop, Texas.

FORMALDEHYDE
PARAFORMALDEHYDE
ACETALDEHYDE
PROPIONALDEHYDE
ACETIC ACID
ACETONE
METHANOL

n-PROPYL ALCOHOL
BUTYL ALCOHOLS
PROPYLENE GLYCOL
DIPROPYLENE GLYCOL
TRICRESYL PHOSPHATES
SPECIAL SOLVENTS

Celanese* CHEMICALS

CELANESE CORPORATION OF AMERICA

Chemical Division

180 Madison Avenue, New York 16, N. Y. *Reg. U. S. Pat. Off.

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Eastern Sales Agents
for
Arapahoe Chemicals, Inc.

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